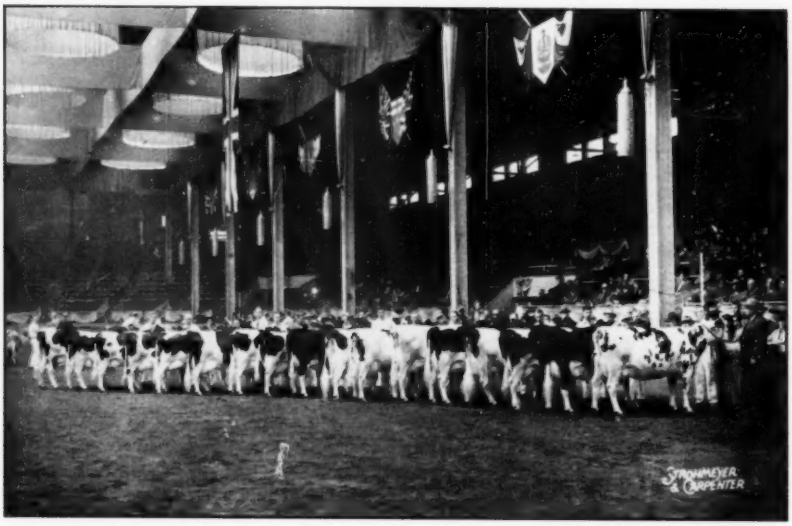
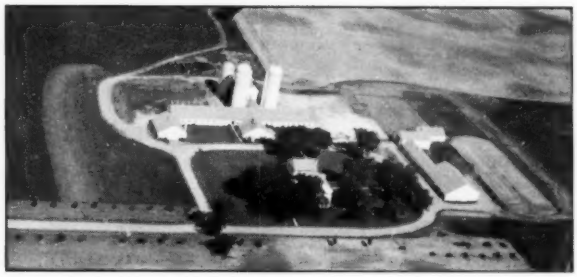
Holstein-Friesian WORLD

At the Royal Ringside



Class of Aged Cows In Milk at Royal Winter Fair as Placed

Royal Winter Fair

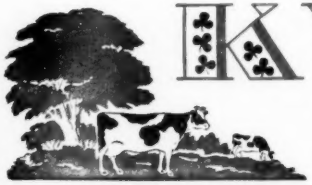


KYLAND

The home of 100 Wisconsin Ormsbys combining the blood of five Gold Medal Proven sires with a planned, continuous testing, breeding and health program for the future.

Seven years in HIR with herd averages up to 494 lbs. fat . . twenty cows with AR records averaging over 800 lbs. fat.

We have some outstanding bull calves. Write when you anticipate the need of a herd sire. We take great pleasure in going over our herd with visitors, so . why not visit us sometime?



KYLAND

PUREBRED HOLSTEIN

W. D. KYLE, JR., OWNER
FRANK CASE, MANAGER

ROUTE 1 *Oconomowoc, Wis.*

OSBORNDALE — Breeder of and Home of Gold Medal Proven Sires

The only herd today that has in service two home-bred Gold Medal Proven Sires and with just two exceptions the only herd that has bred six Gold Medal Proven Sires.

Gold Medal Sires in Service at Osborndale

SIR BESS ORMSBY MAY 2d 760643 (VG)
Inbred son of Sir Bess Ormsby May, out of Osborndale Olive May, with 813.9 lbs. fat, 3.9% at 2 yrs., 3X, and 862.1 lbs. fat, 4%, at 4½ yrs., 2X.

OSBORNDALE SIR OLIVER ORMSBY KING 760725 (GP)
Son of Osborndale King Ormsby from Osborndale Olive Maid, the 800-lb. dam of Olive May.

Other Gold Medal Sires Bred at Osborndale

OSBORNDALE CHIEFTAIN INKA ORMSBY 706753 (VG)
Son of Sir Piebe Inka May Fayne from Osborndale Olive May, see above.

OSBORNDALE TOVARICH ORMSBY MAY 760642 (E)
Son of Sir Bess Ormsby May from Montvic Rag Apple Colantha, 926-lb., 4%, 3X daughter of Johanna Rag Apple Pabst and Oakhurst Colantha Abbekerk.

OSBORNDALE MORRIS ORMSBY TOVARICH 786373 (E)
Son of Tovarich from a 728-lb., 2-yr.-old daughter of Osborndale King Ormsby and Osborndale Piebe Hilda (1084 F., 4.1%).

OSBORNDALE SPITFIRE 760645 (E)
Son of Osborndale Sir Johanna Rag Apple (Silver Medal Production Sire) from Osborndale Piebe Hilda (1084 F., 4.1%).

ASK US ABOUT YOUNG BULLS CARRYING THESE SAME BLOOD LINES

OSBORNDALE — Derby, Conn.

F. M. Nichols, Mgr. **Mrs. W. S. Kellogg, Owner** **Hans Jensen, Herdsman**

START THE NEW YEAR RIGHT!!

KELCO KORNDYKE ORMSBY
1077288—Born Apr. 28, 1949.
(Picture at 6½ months)
— HIS DAM —

KELCO KORNDYKE PIEBE (VG)
No. 1818204
Acc. and App. 11th year in HT.

BY PLACING THIS TYPY, DARK COLORED CALF AT THE HEAD OF YOUR HERD. HE HAS THE RIGHT KIND OF A START TO BECOME A BULL OF GREAT SIZE AND CAPACITY—

PLUS ALL THESE EXTRAS:

This calf has **8 maternal sisters** with HT records averaging:

Fat	625
Milk	18570

3 in 3X, 5 in 2X
Average age: 4y 3m 15d

His dam, Kelco Korndyke Piebe, is now in her 10th lactation. Not only is she a great reproducing cow, she has been one of our best and most persistent producers. Her H.T. records thus far show.

Fat 365d 8y	813.
Milk 3X	25273.

Total HT production to date over 150,000 lbs. of milk. Plus 2 lactations in DHIA of over 25,000 lbs. She has one daughter over 30,000 of milk for a year and two daughters already over the 100,000 mark.

The sire of Kelco Korndyke Ormsby is from a cow with 832 of fat in 3X, 3.6%, she from a dam with 3 records of 906, 938 and 947 in 3X, 3.9%, she from a dam with 923 of fat in 3X and all 3 over the 100,000-lb. mark in milk. The dam of the sire's sire is also a 100,000-lb. producer with 6 daughters averaging over 875 F.

We will be pleased to send you an extended pedigree of this calf.

KELCO FARM

WHITESVILLE, N. Y.

ARLING COBB & SON **Telephone: Greenwood N. Y. 27**

Published First and Third Saturday of Each Month — Price $2.00 Per Year
Entered as second class matter, December 16, 1918, at the Post Office at Lacona, New York, under the act of March 4, 1879

OUR JUNIOR HERD SIRES

A Son of Pabst Roamer "Ex" G.M.

PABST ROAMER DEAN WALKER LAD
Classified "Very Good"

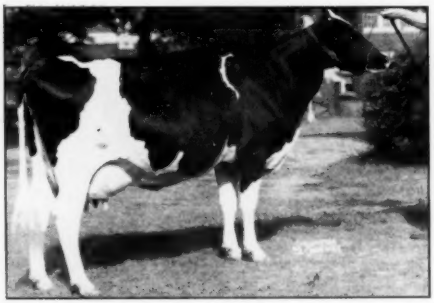
Mem. Reserve All-American Produce, 1948. 1st Prize 2-year-old, Wis., Ohio and Mich. 1949. Grand champ. Michigan. Honorable Mention All-American Senior yearling 1948.

A Son of Pabst Regal "Ex"

PABST SIR REGAL FOBES
Classified "Excellent"

Reserve All-American 2-yr.-old, 1948. Grand champion Ohio, 1948 and 1949. Res. Grand Champion, Waterloo, 1948 and 1949. Mem. 1st Prize Get Waterloo and International.

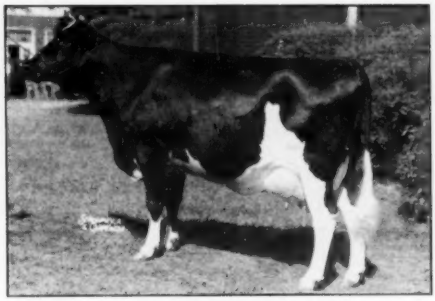
His Full Sister



PABST ROAMER DEAN WALKER
Classified "Excellent"

All-American 2-year-old, 1948. Mem. Reserve All-American Produce, 1948.
2y 21,243 milk 3.7% 790.7 fat 3X.

His Three-Quarter Sister



PABST REBURKE RAG APPLE
Classified "V.G." at 2 years.

All-American Heifer Calf, 1947. 1st Prize 2-year-old, Ohio and Mich., 1949. Mem. 1st Prize Get, Waterloo and International.

Pabst Roamer Dean Walker Lad is a son of our Gold Medal Proven Sire, Pabst Roamer, who is classified "Excellent". His dam is Pester Colantha Dean Ormsby Ferd, "V.G." now on test and making over 800 lbs. of fat on three-time. She is the dam of the Reserve All-American Produce of 1948.

Pabst Sir Regal Fobes, classified "Excellent", is by Pabst Regal, who is also classified "Excellent". His dam is a Burke daughter, Pabst Burke Ormsby Fobes, "V.G." with 679 lbs. of fat at 2 years, 723 lbs. at 3½ years and 727 lbs. at 4 years on three-time.

Write for information and pedigrees on Burke bred bull calves and semen.

PABST FARMS, Inc. **Acc. & Neg.** **Oconomowoc, Wis.**

Important Announcement

After repeated requests for artificial service to

CARNATION GILKEY PROGRESSOR

and after giving this problem considerable thought and debate, we have decided to make the semen from this highly desirable young sire available to outside breeders at

$100 — PER SERVICE — USUAL GUARANTEE

A son of the Excellent, Gold Medal, **Hallrose Progressor,** his dam is **Carnation Heilo Treasure Island** with 970 of fat, 4% in 365 days, also 877.5 lbs. fat in 305 days, first on the 1948 Honor List.

She and her full sister were undefeated produce on the west coast in 1946 and she was 3rd aged cow at the 1946 Grand National.

The first calves of **Carnation Gilkey Progressor** are just now arriving.

CARNATION GILKEY PROGRESSOR
His 6 nearest dams average 905.8 of fat, 3.8%, 23,782 milk. Son of Hallrose Progressor (Ex-GM), his dam a 970-lb. "Imperial" daughter from a 776-lb. daughter of "Peerless".

A card will bring you his pedigree and complete information on his artificial services.

GILKEY FARMS

LEONARD G. W. GABBERT **OWATONNA, MINNESOTA**

Why We Have Faith in

Pabst Forward

"FORWARD" is a Son of Two of the 32 Excellent Offspring of "BURKE"

SHOWN AT THE LEFT ARE THREE OF THE DAUGHTERS OF PABST FORWARD IN HEIFER FORM. THEY WERE FIRST PRIZE WINNING GET AT THE 1948 TRI-COUNTY B & W SHOW—two junior yearlings and one senior heifer calf.

This picture was taken 14 months after that show. The heifer nearest the camera was also in the winning junior get at the 1949 show.

NOW— all these heifers are on A. R. 2X milking up to 62 lbs. per day.

Most of these daughters of Pabst Forward are out of daughters of the 119th Gold Medal Sire, Governor Canary Inka, ten of whose first 13 tested daughters made over 500 F. **Wouldn't you like a son of Pabst Farward from one of the great daughters of the Governor Bull?**

KILLYBRACKEN

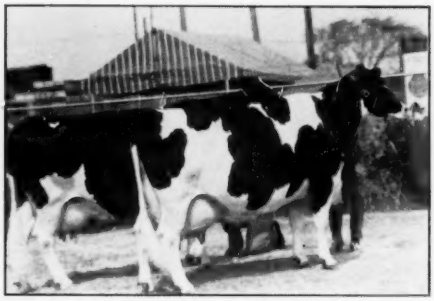
MRS. C. GROVERMAN ELLIS
Owner

WAYNE, ILLINOIS

OSCAR PEISSIG,
Manager

ELMWOOD — Home of Great Cows and Cow Families

Undefeated Produce of Dam



(left) **JONABELL CITRONELLA**
365d 6y 3X 825.2F 19785M 4.2%
(right) **JEWEL POSCH ORMSBY FOBES**
365d 7y 3X 773.2F 22407M 3.5%

These two great full sisters are sired by Dunloggin Standard and from a daughter of DeCreamCo Calamity Posch 25th — 1st prize produce of dam at Wisconsin State Fair and Indiana State Fair, only two times shown in 1949, Honorable Mention All-American Produce 1948, 1st prize Produce of Dam, Illinois State Fair, 1948.

1949 Appearance of 1945 All-Americans

(left) **MARIE CREAMELLE JOHANNA**
365d 4½y 3X 705.0F 18320M 3.8%
(right) **MARIE FOBES JOHANNA**
282d 6y 3X 592.2F 16596M 3.6%

Produce of Marie Johanna Polkadot, 2d Produce Waterloo Dairy Cattle Congress, 1949. Another combination of three great sisters was All-American in 1946. These cows are 11 and 12 years old.

ELMWOOD FARMS

Lake Forest, Illinois

STANDING at the HEAD of our EMPRESS FAMILY

A daughter of Montvic Pathfinder 13th, the proven son of Montvic Pathfinder that has transmitted great conformation with a lot of production and high test.

Her dam, Montvic Segis Empress, "V.G." has just completed a 10-year record of over 700 lbs. fat on 2X, and is a sister to the great proven sires, Montvic Rag Apple Captivator (an "Ideal" son at Howard Farms, Dundee, Illinois) and to Montvic Rag Apple Paragon at Graymar Farms, Oakville, Ont., who has a 2-year-old daughter with over 1100 lbs. fat.

The 7 nearest dams of Rag Apple Mount Victoria average 770 lbs. fat, 3.9% test.

She is due soon to Creston Rag Apple Ambassador, our "Very Good" son of "Chief". If a son, he will be for sale.

RAG APPLE MOUNT VICTORIA (V.G.)

Fat 4.0%	572.9
Milk 2X 5y	14074.0
Fat 4.3%	515.7
Milk 2X 4y	12079.0
Fat 4.3%	359.7
Milk 2X 3y	8281.0

HY-UP FARMS

EVERETT R. MILLER, Mgr.
5610 Coolidge Rd.

Div. Palmer-Bee Co.
BIRMINGHAM, MICHIGAN

GARNET SEIGEL
Herdsman

A Great Proved Sire for Sale

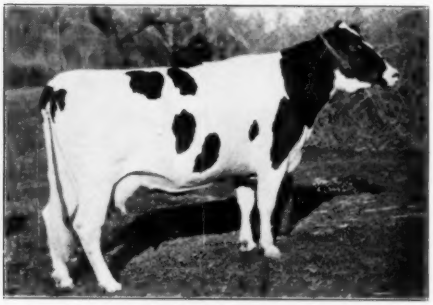
OSBORNDALE STARDUST

No. 899591—Born Nov. 23, 1943

— HIS SIRE —

MONTVIC LOCHINVAR
8 daughters from 808 to 925 lbs., 11 from 610 to 777 lbs., one a National Champion. Half-interest sold for $13,000.

— HIS DAM —



OSBORNDALE BETH ORMSBY INKA MAY

365d	7y	3X	20028	4.1%	811.3
365d	10y	3X	19998	3.9%	782.8
365d	4½y	3X	16638	4.2%	704.4
365d	3½y	3X	15183	4.1%	618.6

Her dam a 721-lb. daughter of Sir Bess Ormsby May and the 1127 Mantup Pietje Bess Ormsby.

HIS PROVING—(2x—305d)

6 daughters with 6 records ave:	12730	3.8%	478.4
6 dams with 10 records ave:	11816	3.5%	386.4
Increase	904	.5%	92.0

These records were made in Herd Test, A.R. and DHIA. Not included in the above is a daughter from an untested dam who has just completed an A.R. record (365d-bred to qualify easily) at 2 yrs. of 498 lbs. fat—2X.

In addition we have 4 younger daughters on A.R. at the present time, all as 2-year-olds. Their credits to date on 2X are—

"Felice"	207 days	433.9 F.
"Fancy"	187 days	296.0 F.
"Fifi"	176 days	271.7 F.
"Gem"	142 days	247.8 F.

All four will average right at or above 4%.

All of these are from tested dams and will materially add to the increase of their sire.

WE ARE OFFERING THIS BULL ONLY BECAUSE WE HAVE 35 OF HIS DAUGHTERS IN OUR SMALL HERD. HAVE MANY COWS BRED TO HIM AND ARE USING A SON TO FOLLOW HIM. ONE DAUGHTER FIRST 2-YEAR-OLD 1949 IOWA STATE FAIR.

He has increased test and fat production in every instance. He should go where he will have a greater opportunity. Write for pedigree and price.

CORNELL FARMS

WINFIELD — ILLINOIS

"Champion's"

List Is Growing!

"CHAMPION"

He now has 9 AR daughters that average 567.3 lbs. fat on 3X milking as first-calf 2-yr.-olds.

Four have over 600 lbs.
Three have 500 to 600 lbs.
Two have 432 to 500 lbs.
One is Illinois State Champion.

"CHAMPION" SONS FOR SALE – WHY NOT BRING THIS HIGH PRODUCING BLOOD INTO YOUR HERD?

DU PAGE RIVER FARM

R D 1 – Joliet, Illinois

"ON 66, ONE MILE NORTH OF 52"

Forecast . . . Great Things to Come!

MONTVIC RAG APPLE WINSTON

"Very Good"

Son of Emperor of Mt. Victoria and Montvic Bonheur Dale (Ex.)

WINSTON'S FIRST HIR PROOF (2X - 305d - M.E.):
6 Pair—

Daughters	avg.	14,540	Milk	3.87%	563	Fat
Dams	avg.	12,390	Milk	3.48%	431	Fat
Increase		2,150	Milk	.39%	132	Fat

OUR TWO OLDEST WINSTON SONS

1— GLENODEN WINSTON JIMINY CRICKET, born Dec. 28, 1948
A fine individual—2-3 black.
Dam—Just made at 9y, 335d 3X 22,831 Milk 803 Fat HIR

2— GLENODEN WINSTON LODGE KEEPER, born Feb. 28, 1949
A nice one you will like.
Dam—Lauxmont Lauxdelia ($3000 daughter of Lauxmaster)
Now on test at 4y, 243d 3X 17,709 Milk 607.5 Fat HIR.

D. E. OGDEN Owner — W. W. LYNN Mgr.

Glenoden Farms

Mountainville, (Near Cornwall on Hudson) New York

T.B. Accredited — Bang's Approved

The Very Highest Geared-in Transmission Bull Ever Offered the Public!

In support of this brave statement $100 reward is offered for any bull with more of the breed's HIR, 305d, 2X. proven, highest transmission bulls in his pedigree . . .

Excepting other RAINBOW bulls.

SIR BESS ORMSBY FOBES 56

Only 27 Holstein bulls out of 12,000 proven have raised production to 580 lbs. fat daughters, 305d, mature 2X basis.

Three of these 27 were intensely bred "56" bulls. No other bloodline has accomplished this. As of the proof today, RAINBOW bulls carry the highest geared-in transmission of any blood line.

Below is another intensely bred "56" bull, born, it must seem, to be another bull of destiny. He traces 6 close times to "56."

RAINBOW CAPTAIN BOLD 36

RAINBOW CAPTAIN BOLD 36

Grand Champion Livingston Co. B & W Show (88 head shown). Junior Champion Michigan State B & W Show (211 head shown). He was born in Sept. 1948. His 5 nearest dams average 708 lbs. fat on 2X. His 9 nearest classified sires and dams average 87.7 points for type.

(6 crosses to "56" shown in this Skeleton Pedigree)

RAINBOW CAPTAIN BOLD (VG)
Sold for $7,500.
Senior Champion Michigan State Fair.
Proof:
Daughters 580 F.
Dams 502 F.
His 14 first-calf daughters average 548 F., 3.85%, 2X.

- **EMPIRE ORMSBY MARATHON (VG)**
  - _____
  - _____
- **RAINBOW BESS ROSE (E.)**
  739 F., 2X.
  Grand Champion at 4 shows.
  - **SIR BESS ORMSBY FOBES 56**
  - _____

RAINBOW WHIPPOORWILL ROSE
2nd calf, 785 F., 4%, 2X.
Her maternal sister, "Fobes":
2nd calf 706F., 2X.
Her maternal sister "Babe:"
3rd calf, 695 F., 2X.

- **RAINBOW SIR BESS ROSE**
  Highest index sire to 1941.
  - **SON OF "56"**
    Rainbow Sir Bess Lilac.
  - **DTR. OF "56"**
    Rainbow Bess Rose (E)
    Rainbow Bess Rose (E) 739 F., 2X.
- **RAINBOW BESSIE SENORITA FANNY**
  Classified Excellent
  660 Fat, 2X, at 4y.
  - _____
  - **3 CROSSES TO "56"**
    Rainbow Whippoorwill
    3y, 606 F. — 4y, 616 F.
    By Rainbow Sir Bess Rose, double grandson of "56".
    Her dam a daughter of "56."

ROBIN CARR

RAINBOW

Since 1905

FOWLERVILLE, MICHIGAN

RALPH ROSE

Here is a Double Grandson of

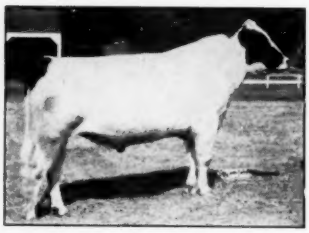
Montvic Posch Rag Apple — V.G.-G.M.

From an 814-lb. Dam —

TRACES 3 TIMES TO JOHANNA RAG APPLE PABST

THIS CALF WAS BORN MARCH 29, 1949, IS MOSTLY WHITE — A GOOD TYPE STRAIGHT BULL.

HIS SIRE

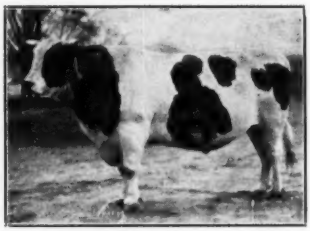


MALLARY FARM RAG APPLE TRIUMPH
(V G at 3 yrs.)
Son of Montvic Posch Rag Apple from the famed Mont. R. A. Colantha Abbekerk, 1263-lb. Ex. dam of "Marksman", "Sovereign" and GM-Mont. Bonheur Abbekerk. His full sister Vermont State Champion junior 4-year-old.

His dam: **Tyler Farms Posch Violet,** is a daughter of Montvic Posch Rag Apple (right). She is classified Good Plus, and has:

Fat AR	**365d 7y**	**814.2**
Milk	**(3X-4.2%)**	**19,563.0**

HIS DOUBLE GRANDSIRE



MONTVIC POSCH RAG APPLE
(GM - VG)
One of the truly great sons of Johanna Rag Apple Pabst. Sire of 10 Excellent daughters, two over 1000 lbs. of fat, 6 over 900 fat.

His sire: **Mallary Farm Rag Apple Triumph** (left) whose daughters are just starting to freshen.

TYLER FARMS

J. B. C. TYLER & SONS — **WEST NEWBURY, VERMONT**

From such cows as this one -

HELENE ANN GYPSIE 2D "VG"

Fat	**365d**	**2y**	**679.2**
Milk	**(3X-3.8%)**		**17893.0**

By the Silver Medal Type Sire, Governor Gypsie Fobes.

Her dam:

Helene Ann Gypsie (Very Good)

Fat	362d	6y	785.4
Milk	(3X-3.6%)		21076.0

By the Silver Medal King Bessie Tensen Gypsie

Her granddam:

Helene Anggie—Excellent

Twice over 700 of fat — 10 mos., A.R.

We Have Sons of

Prince Aaggie Gypsie (Ex.)

His 770-lb. Fat A.R. Dam is Also Ex.

HIS FIRST 7 DAUGHTERS WILL AVERAGE 500 LBS. FAT, 2X AT 2 YEARS

The list of records under the picture of the dam of the bull calf we are now offering is given as an example of the brood cows or cow families that are being developed in our herd, showing that both **type** and **production** are consistently good.

Write for Detailed Information

JERGENS HOLSTEIN FARM

Or perhaps you would prefer a son of our junior herd sire:

PABST SIR REMER FOBES

our son of Pabst Regal (sire of first senior get at both Waterloo and Indianapolis, 1949), his dam the "Jessie Fobes" daughter of Pabst Ronmer.

BISCAY — — MINNESOTA

Here's an Idea . . .

. . . NOW THAT WINTER'S HERE

Show Season Has Come and Gone!

Crops Are In, the Silo's Filled,

It's a good time to settle down and bring your papers up to date . . . file applications for every animal in your herd that's eligible . . . see to it that all your calves are registered, transferred properly to your name, and established in your herd register.

Right now, before first of the year "rush" begins, we can give you the best of service . . . prompt, accurate and complete. Your applications filed now, (with fees carefully figured, birth dates accurately filled in, signatures completed, and sketches done with care,) will be handled with dispatch.

The Holstein-Friesian Ass'n of America

Brattleboro, Vermont

REMINDER!

Blood-typing requirements for bull used artificially (in artificial breeding units or "between herds") go into effect January 1.

Offspring resulting from artificial service after this date will not be eligible for registry unless the sire has been blood-typed.

From now until the end of the year, the individual blood-typing fee for bulls will be $7. After January 1, the fee for bulls increases to $25.

Applications sent upon request.

A Factor in Breed Improvement

Thirty-nine PLUS-PROVEN sires bearing the prefixes of five Wisconsin State Institution herds are listed among the sires with tested daughters in Volumes 4 and 5 of the Green Book.

Five of the breed's GOLD MEDAL SIRES were bred in Wisconsin State Institution herds, including Wisconsin Admiral Burke Lad, whose influence, alone, has spread into literally hundreds of herds all over the United States and into Canada.

The proving of sires, and the breeding of young sires capable of improving other registered herds, has made the registered Holsteins at the Wisconsin State Institutions a factor for the improvement of the breed for the past 25 years — proven by performance in the show ring and the test barn in herds all over the United States. We always have choice young breeding stock available.

Wisconsin State Department of Public Welfare

State Capitol, Madison, Wis. **W. W. Kinyon, Farm Supt.**

WE ARE PROUD OF OUR BURKES!

BO-CANN MABEL SPITFIRE BURKE
This unselected Burke heifer has been milking 196 days and produced 355.1 lbs. fat with 10120 lbs. milk on 3X, 3.5%, AR. We note she has 49.2 lbs. credit for her last 30 days in DHIA work.

BO-CANN WIS. CHARITY
Another unselected Burke daughter that has milked 174 days and produced 400.7 lbs. fat with 10842 lbs. milk, 3.69% 3X, AR. She was credited with 49.9 lbs. for her last 30 days in DHIA work.

It will be interesting to follow the progress of these daughters of PABST BURKE CREATOR. Remember . his 2-year-old son, Bo-Cann Sir Inka Ormsby, made lots of progress at the Wisconsin State Fair and National Dairy Cattle Congress this fall.

How About A Son of One of These Great Sires?

BO-CANN FARMS HAROLD L. MILLER Herd Manager **Fall River, Wisconsin**

Who Knows What Tomorrow Brings?

We're no crystal-gazers. We don't know what Holsteins will be selling for in December, 1950.

But we do know that good times or bad, the regular WORLD advertiser sells more dollars worth of cattle a year than the breeder who has no merchandizing program.

What he invested in advertising in 1949 will be working for him in 1950; and what he invests in 1950 will pay him returns in 1951.

The regular WORLD advertiser can look forward to the new year with a greater sense of security than his neighbor who has done nothing to build a market for his cattle.

Why not begin the New Year right? We'll send you a rate card by return mail!

Holstein-Friesian World

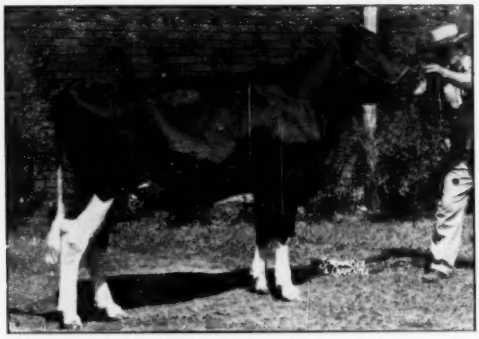
Lacona, New York

When quality is equal
Holstein breeders prefer to buy ADVERTISED bloodlines.

C H I C A G O 1 3 C I L L I N O I S . .

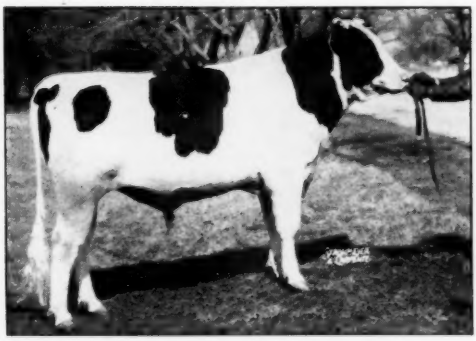
CURTiSS CANDY COMPANY FARMS

We Are Pleased to Announce the Purchase of The Outstanding Bull Calf CURTISS CANDY MASTER SENATOR From Mr. C. M. Bottema, Jr. of Bridgeport, Indiana



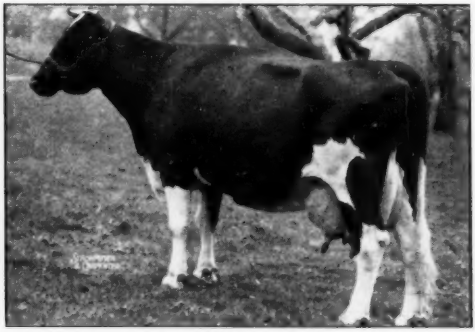
CURTISS CANDY MASTER SENATOR
1st Bull Calf, Illinois, Indiana and Ohio State Fairs—1949.
Not placed at the International, due to temporary lameness.

— HIS SIRE —



CURTISS CANDY MASTERPIECE
Senior Herd Sire at Curtiss Candy
Sire: Curtiss Candy Ovation (Montvic Renown-Dunloggin Mistress Grace).
Dam: Dunloggin Adeen, several records up to 1019 fat; 5 sons in service including one Gold Medal sire; 4 daughters average 750 fat; 2 younger daughters in our herd.
"Adeen" was 16 years old in November and she is due to calve again in December.

— HIS DAM —



BELLEVUE PONTIAC RACHAEL

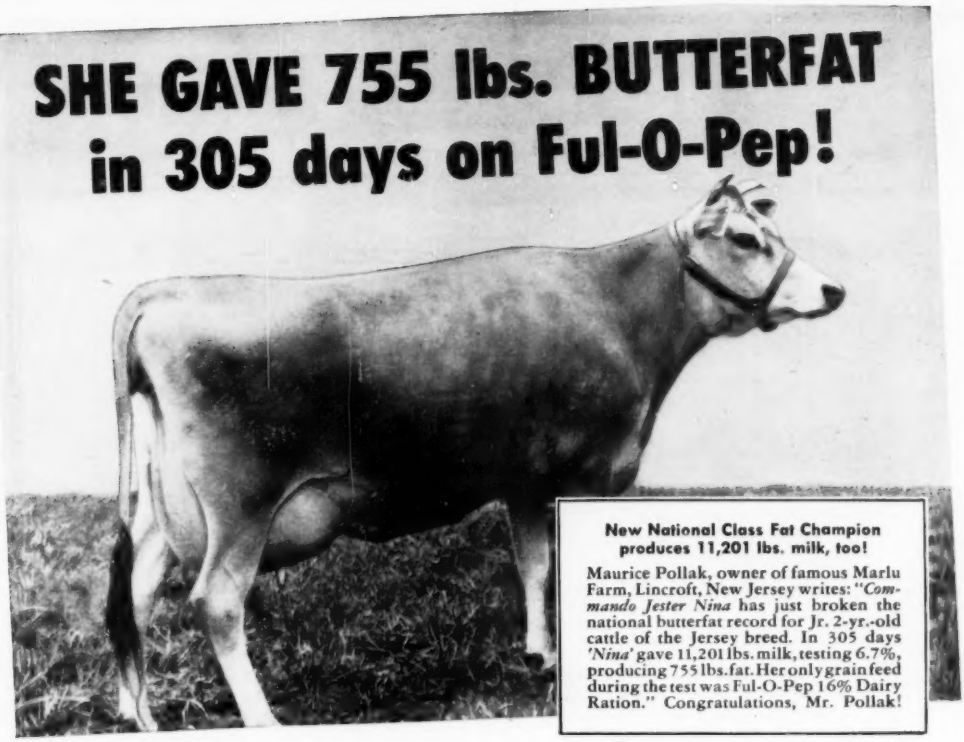
2y	11m	365d	15,803	Milk	603	Fat	2X
4y	7m	365d	20,071	Milk	697	Fat	3X
7y	5m	305d	20,298	Milk	773	Fat	3X
7y	5m	365d	23,094	Milk	887	Fat	3X
8y	7m	365d	21,968	Milk	751	Fat	3X

She is a double granddaughter of Ormsby Sensation 45th.

"MASTER SENATOR" has been added to our battery of Holstein bulls in the CURTISS CANDY FARMS Improved Stud Service. His services, as well as the other Holstein herd sires, are available to breeders everywhere. For further information write the

LIVESTOCK DIVISION OFFICE: CARY, ILLINOIS—TELEPHONE: CARY 5411

SHE GAVE 755 lbs. BUTTERFAT in 305 days on Ful-O-Pep!



New National Class Fat Champion produces 11,201 lbs. milk, too!

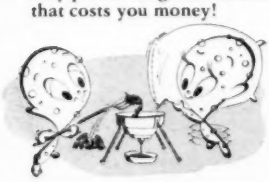
Maurice Pollak, owner of famous Marlu Farm, Lincroft, New Jersey writes: "*Commando Jester Nina* has just broken the national butterfat record for Jr. 2-yr.-old cattle of the Jersey breed. In 305 days *'Nina'* gave 11,201 lbs. milk, testing 6.7%, producing 755 lbs. fat. Her only grain feed during the test was Ful-O-Pep 16% Dairy Ration." Congratulations, Mr. Pollak!

Switch your herd to vitamin-rich Ful-O-Pep for top milk production...long-milking life!

YES . . . for *heavy milk flow* and big milk checks, month after month . . . switch your herd to *dependable* Ful-O-Pep Dairy Ration. For Ful-O-Pep promotes top milk production from commercial herds . . . helps make records for cows on test!

Feeds micro-organisms in rumen to promote efficient digestion of feed!

One reason for Ful-O-Pep's outstanding success . . . it stimulates the *activity and multiplication* of micro-organisms in the cow's rumen! These friendly little "busybodies" help the cow break down the cellulose and fiber of grain and roughage into sugars which she can digest and *make into milk.* However, rumen micro-organisms should be plentiful and vigorous to do their job well. Otherwise much of the feed may pass through the cow undigested . . . *feed wasted* that costs you money!



In the cow's rumen are billions of micro-organisms that convert cellulose and fiber of grain and roughage into sugars which the cow can digest and make into milk.

You see, ONLY Ful-O-Pep contains Concentrated Spring Range*. *Like lush green grass* itself, this Vitamin Boost supplies many nutrients rumen micro-organisms need to *thrive and multiply.* Ful-O-Pep contains molasses, proteins, cobalt and other trace minerals these helpful little "busybodies" need to *work and grow* in numbers.

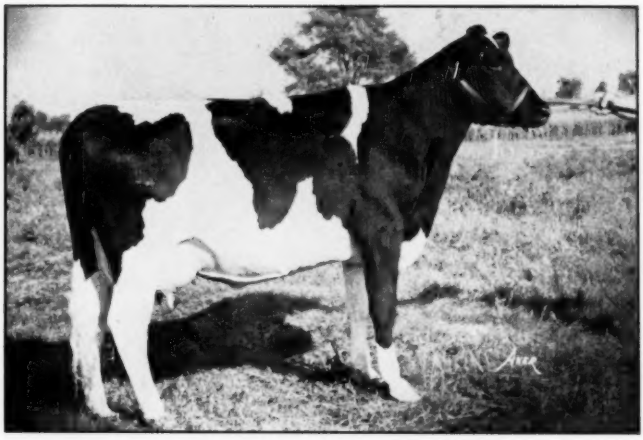
Since all these ingredients help promote top milk production, too . . . it's no wonder many top dairymen feed Ful-O-Pep to help *boost dairy profits!*

So benefit from Marlu Farm's profitable experience. Switch your herd to *dependable* Ful-O-Pep Dairy Ration!

VISIT YOUR LOCAL FUL-O-PEP DEALER for dependable dairy feeds!

*REG. U. S. PAT. OFF.

Here's A New "Breeze" Daughter



ELMWOOD BURKE GRACE

We purchased this "Breeze" daughter for $1000 as a yearling in the Northaway Dispersal. Freshening at the age of 21 months she was shown this fall in the 2-year-old classes, placing 1st at the Washtenaw-Wayne Black and White Show, 4th at the Michigan State Black and White Show. Fresh on March 30th, she averaged 45.6 lbs. of milk a day through August, and will finish her year with a very creditable shortage record. We like her good legs, deep body and evident dairy quality, so typical of the milking daughters of "Breeze."

ARTIFICIAL SERVICE TO "BREEZE" IS AVAILABLE

We are fortunate in our location, only a few minutes drive from the Detroit airport at Willow Run. Telephoned orders for "Breeze" semen can be delivered many hundreds of miles in a matter of hours. The service fee, with a living calf guaranteed, is $100 for 1 to 4 cows; $85 for 5 to 9 cows; $75 for 10 or more cows.

POPULARITY is an important factor in sire selection, **other things being equal.** The "Breeze" offspring have demanded top market prices for the past two years at public sale. Further proof of the popularity of the family was furnished at the Maytag Dispersal, where 25 young sons and daughters (just calves) of Pabst Burke Breeze Tritomia (full brother) brought an average of $1,075 (above the average of the sale).

The RAYULMN *Farms*

MANCHESTER, MICHIGAN

Address Ray Ullmann, Owner, 5203 Loraine Ave., Detroit 8, Mich. (Tyler 6-5422, or Hogarth 4250)

"THE DUNLOGGINS" OF OHIO

THESE LEADING BREEDERS ARE CARRYING ON THE BLOODLINES THAT MADE DUNLOGGIN FAMOUS

"Designer" Son For Sale

DUNLOGGIN DESIGNER
Our proven full brother to Dunloggin Design (E-GM).

Calf born in January, 1949, nice type, well grown, evenly marked. Dam a daughter of Lauxmont Adrodella Pathfinder with 475 Fat, 3.9%, 12180 Milk, 2X, 305d, at 4y. Next dam has 470 fat, 4%.

Price $375 — and Guaranteed!

THE APPLE CREEK DUNLOGGINS

D. F. and J. F. GEISER, and C. W. EMERSON
APPLE CREEK, OHIO

For Artificial Service, Write—
Dr. V. W. ZUERCHER, Kidron (phone 20-R-4)

Service Age "Follow On" Son

MEADOW SPRINGS DUNLOGGIN WAYNE
Born October 11, 1948

Dam of this rugged fellow is Sunnydale Martha Rose Posch (GP) with a 2X record (AR) of 15576 M., 4.3%, 674.7 fat (cc 145d). Her full sister has a 642-lb 4.6% record on 2X. She is by a sire that increased production by 156 lbs. fat and 3250 lbs. milk. Next dam a 4% cow with two 400-lb 2X records in 305d.

Meadow Springs Farm

Spring-Holzworth, Inc. Alliance, Ohio

Here is "Lucinda"

Dam of Octo Ro Var Admiral

LAUXMONT ADMIRAL LUCINDA
8½y 365d 3X 19962.6 4.3% 859.0
25m 353d 3X 10955.0 4.7% 512.0
1 A R dtr. with 558 at 3½y, 3X, 3.7% Full brother increased fat 64 lbs. milk 950 lbs, test .2%. Her dam made 883 lbs., 4% on 3X.

OTCO RO VAR ADMIRAL is sired by Dunloggin Romeo Var, son of Lochinvar from the twice 1000-lb dtr of Woodmaster. Ask us about his sons from record dams.

Weaverdale Farm

LOUISVILLE, OHIO

Dr. Harry Weaver, Owner **Paul Burdick, Manager**

Two High Record Bulls For Sale This Month

-1-

Born May 28, 1949. Nice type. Light in color. Sired by Montvic Posch Lochinvar No. 1 (our Lochinvar son and maternal brother to famed "Dale" and "Emily"). Dam is a granddaughter of the 959-lb. 4.1% Bess Ormsby Fobes Creator, with the following records:

2y	4m	2X	16087	3.8%	604.9
3y	7m	2X	19401	3.7%	713.0

(Now making another large one)

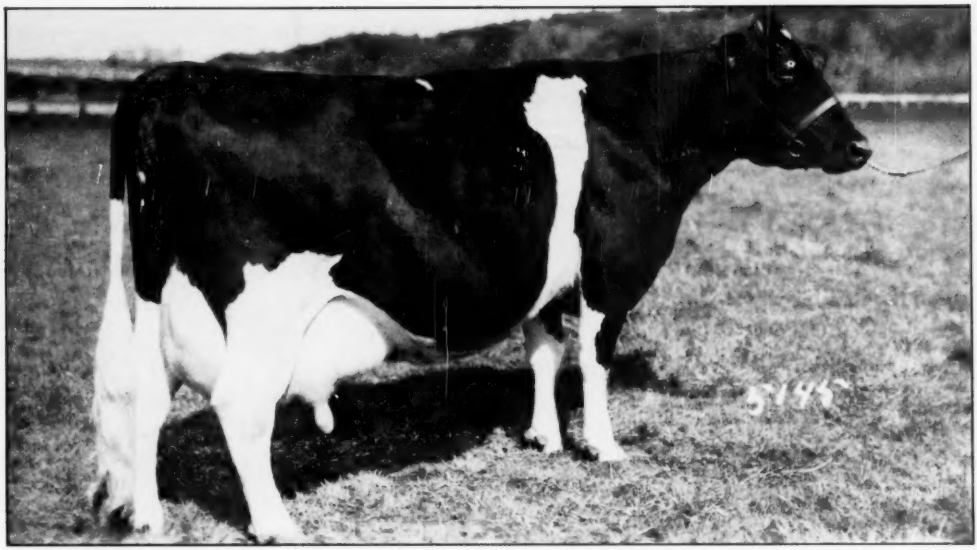
-2-

Born April 7, 1949. A desirable individual sired by a high record son of "Sovereign." Dam is a daughter of Dunloggin Footprint with 604.9 fat, 3.5%, 17419 M., 2X, at 2y7m.

Details on Request

M. & F. Dellinger Co.

PLAIN CITY, OHIO



CARNATION CHARMER
Butterfat — Class B — 897.7 — Milk, Class B — 23,025
Average Test for Year 3.9%. Record Made at 5y, 1m.

BUY THIS SON OF CARNATION CHARMER

Sired by Carnation Homestead Revelation

CARNATION HOMESTEAD REVELATION, the excellent young show bull, whose get have been so outstanding in the Shows in 1948 and 1949, is the sire of the bull we offer this week.

The bull calf offered is Ear Tag 8689, born August 6, 1949, out of the big, deep-bodied daughter of 3-time All-American, Carnation Governor Imperial, pictured above. This cow, with 897 lbs. of fat in Class B at 5 years of age, is from an 886-lb. 6-year-old daughter of Carnation Chieftain.

Here's Carnation Breeding At Its Best. Write or Wire today for full details.

Carnation Milk Farms

Address:
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CARNATION 50 Years 1899-1949

Holstein-Friesian World

December 3, 1949 ★ The Newspaper of the Breed ★

The Royal Winter Fair

Spring Farm Sovereign Supreme and Spring Farm Juliette Give Fraser Both Grand Championships—McCague Premier—254 Head Make Pleasing Show—63 Winning Exhibitors

By M. S. PRESCOTT

Ontario breeders, with a little help from British Columbia, Alberta and Manitoba, and a few scattering entries from the U. S., staged another great show of Holsteins at the 1949 Royal Winter Fair. The numbers, at 254 according to our ring count, were down very slightly from last year's 259 head. There were 63 winning exhibitors of whom 12 broke into the first prize column. Prof. George Raithby, Guelph, Ont., made his bow this year as a Royal judge, handling the large classes pleasingly and with dispatch.

J. J. E. McCague, Glenafton Farm, Alliston, Ont. won the coveted Premier breeder and Premier Exhibitor honors, closely followed by J. M. Fraser, Streetsville. Fraser however accomplished a feat never before seen at this show in our breed—and old hands at the business never recall having seen it before at any National show—of breeding and exhibiting both grand champion animals.

Spring Farm Sovereign Supreme, the male champion, climaxed his show ring career in Canada with the grand championship here after winning the 3 year old class. This honor had previously eluded him, although he had never been beaten in class. As previously announced, he has been sold for $20,000 to the Carrizosa Brothers of Colombia, and is scheduled to make the trip by air soon. He is a massive fellow weighing 2930 on the scales here in show condition, (with blanket).

The female grand champion was Spring Farm Juliette, another consistent winner for Mr. Fraser since her calfhood days. She was showing here 10 months along on a year's record that promises close to 900 lbs. on 2X milking in 5-year-old form. She is a very long-bodied, square rumped cow, with great spring of rib but lacking in depth of body. She moves nicely on good feet and legs. Her udder is the close held type, showing no signs whatever of overwork in connection with the large record now in progress.

In taking Premier Breeder and Premier Exhibitor honors, McCague annexed 9 firsts, 4 seconds and 3 thirds (a total of 29 ribbons in classes). First included both Get of Sire and Produce; also Best Udder in the show.

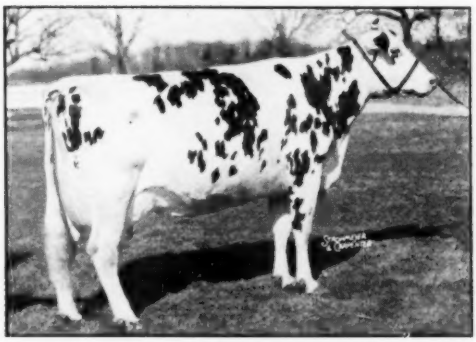
Jack Fraser, in addition to his grand champions, was particularly happy to win the senior bull calf class with his future herd sire, Spring Farm Fond Hope, a maternal brother to Juliette.

Geo. R. McLauglin, Elmcroft, Oshawa, made a fine showing, particularly strong in the senior females. Here he had first prize dry cow, (and reserve grand champion), a Monogram daughter, a very sensational winning dry 4-year-old daughter of his Triune herd sire, and the winning dry 3-year-old, by Elmcroft Sylv-O-Gram.

The only other exhibitor to draw down more than one first prize was A. Seiling, Elmira, Ont., whose entries won the milking 2-year-old and senior heifer calf classes. He had a pair of identical twins here that placed 1-2 in this large class.

Others winning first prizes were Rosafe Farms, Brampton, whose herd sire, A B C Reflection Sovereign topped the 2-year-old class.

Les Gilmore, Steveston, B. C., whose junior yearling bull accounted for the



SPRING FARM JULIETTE 585936C
First prize aged cow in milk, senior and grand champion at Royal Winter Fair. Member 2nd prize Produce of Dam. J. M. Fraser, Streetsville, Ont.

SPRING FARM SOVEREIGN SUPREME 193120C
First prize 3-year-old bull, senior and grand champion male at Royal Winter Fair. Exhibited by J. M., W. D. and G. W. Fraser, Streetsville, Ont. Purchased by Carrizosa Brothers, Bogota, Colombia.

GET OF MONTVIC RAG APPLE MARKSMAN 1375320
First prize at Royal Winter Fair. J. J. E. McCague, Alliston, Ont.

PRODUCE OF LITTLE ROCK PABST COLANTHA 4344060
First prize at Royal Winter Fair. J. J. E. McCague, Alliston, Ont.

only red ribbon for the British Columbia group;

H. Houltemann, Rosser, Manitoba, whose Rockwood Rocket Tone rounded out an unbeaten season among the senior yearlings;

Wilfred James, Sarnia, with Lady Rag Apple Ann, winning milking 3-year-old also at the C.N.E.;

Weaver Bros., and Elliott & Sons on their famed Baralee Pabst Rag Apple Sovereign — All-American 3-year-old last year—now showing as an aged bull;

Hardy Shore, Glanworth, with a dry 2-year-old;

Leo A. Baker & Sons, Lambeth, on a senior yearling daughter of Montvic Rag Apple Cavalier that went through to junior championship;

And Dixon Fraser, Streetsville, on a milking 4-year-old—the dam of the great winning Hildix heifer (Reserve Jr. Champion here.) They are all entitled to take great pride in these winnings.

The Bull Classes

The show opened with a class of 14 junior bull calves. It was not a sensational class, but McCague started the ball rolling with a very acceptable top owned jointly with J. R. Hood. This calf, Glenafton Blarneystone was gotten from artificial service from Mallary Farm Rag Apple Triumph, the famous younger son of Montvic Rag Apple Colantha Abbekerk at Mallary Farm.

In the senior calves Jack Fraser scored with a very well-balanced top, Spring Farm Fond Hope, previously referred to as the "Fond Hope of the Future" at Spring Farm. He is a strong clean-cut calf.

In the junior yearling class, as previously mentioned, the British Columbia entry of Les Gilmore headed a class that brought out no sensations.

The first international competition came in the senior yearling bull class, where it was a very stern battle between Rockwood Rocket Tone, unbeaten winner from the prairie circuit and Pabst Sir Roburke Rag Apple, the Cornell-Neillewood-Moosheart bull that has done so well with the Pabst herd through the season. The western bull is an extremely well balanced bull, too, and they went through to junior and reserve junior championships.

In the 2-year-old class Dr. Hector Astengo of Rosafe Farms was beaming when his herd sire, A B C Reflection Sovereign (son of Sovereign out of A B C Inka May, 1100 lb. All-Canadian winner) edged out two Marksman sons and another Sovereign son and grandson as well as the Bo-Cann entry from Wisconsin to top the class. He is a bull that Dr. Astengo can well be proud of.

The 3-year-olds numbered only three, and it was a good deal a matter of form for Spring Farm Sovereign Supreme to annex the red ribbon and then go on through to the senior and grand championship. His strongest competition there was his brother, the aged bull winner, Baralee Pabst Rag Apple Sovereign, All-American 3-year-old of last yeaf for Weaver Brothers, and George S. Elliott and Son, who likewise had no difficulty in handling the class of six aged bulls. Public notice was made of the fact that when the first prize aged bull, first and second prize 3-year-olds and first prize 2-year-old bulls came out to compete for the senior championship the entire quartette was composed of sons of Montvic Rag Apple Sovereign.

The Dry Females

The classes here are divided into milking and dry sections, with many of the dry ones just about ready to become wet ones. G. R. McLaughlin made a great showing in the dry section with winners in the aged, 4-year-old and 3-year-old classes. In the aged class Elmcroft Dewdrop M, a Monogram daughter very nearly ready to freshen, went through to the reserve grand championship although she represented the other extreme in depth of body and size of udder. Elmwood Farms scored in second place with Lauroe Anna Geraldine, a good winner with her herd in former years, and dam of the Orson Smith 2-year-old bull that won at Indianapolis and Syracuse.

The Elmcroft 4-year-old, Elmcroft Queen R Triune, a daughter of Montvic Rag Apple Triune was a sensational thing, somewhat reminiscent of Triune Papoose Piebe in her hey-day, and with as near an exemplicification of the boxcar rump as this observer has ever seen.

The 3-year-old clas was something of a let-down from these great 4-year-olds. The McLaughlin winner here, Elmcroft Olga, was by Elmcroft Sylv-O-Gram.

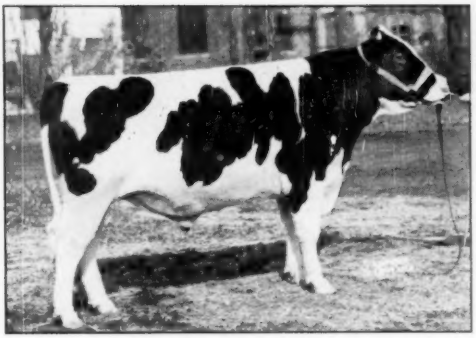
In the 2-year-olds Hardy Shore scored with Woodland Challenger Aaggie, a well balanced heifer, put up over Fraser's CNE winner, Illehee Lois, principally on udder preference.

The Milking Classes

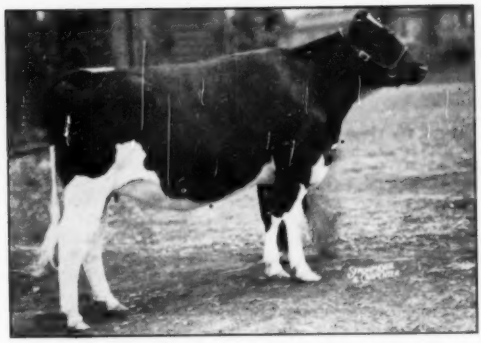
The aged cows in milk numbered 17, and it made quite a nice class of matrons, although not as impressive as our larger classes where the milking and dry cows show together. The winner Spring Farm Juliette has previously been described. Her closest competitor in second place was Glenafton Laurel Colantha, who later won the Hawkhurst Trophy for the Best Uddered Cow in the Show. British Columbia scored in both third and fourth places. The third place cow from Colony and the fourth Grauer's Reserve All-American 4-year-old of last year.

The milking 3-year-olds were the best in depth of the milking classes, as we saw them. Wilfred James repeated his CNE winning with Lady Rag Apple Ann. She is a very well balanced heifer, nicely blended in the shoulders, with well-sprung rib and a good set of legs. Lorne B. Reid & Son, Ripley, Ont., had three entries in here that attracted much ringside attention for their great dairy quality. The smoothest of the three, Maple Lea Governor Pansy was a very strong second. The other pair were in sixth and seventh place, but looking as though they could drown almost anything in the ring. A very pleasing class.

The milking two-year-olds were another good class. Judge Raithby particularly liked the quality and front attachment of Seiling Princess Pet. Elmwood Farms were in second place with their Marksman daughter Laurel Schuiling, full of bloom and carrying some fever in



ROCKWOOD ROCKET TONE 205523
First prize senior yearling, junior champion male. H. Houltmann, Rosser, Man.



BAKER MONTVIC CAVALIER NIG 757486
First prize senior yearling, junior champion female. Leo A. Baker & Sons, Lambeth, Ont.

her udder. Rosafe had a real sweetheart in third place. A B C Lorna Sovereign, criticized somewhat for lack of size and scale. Interestingly the fourth place winner in this class was Spring Farm Juliana, a daughter of Spring Farm Juliette, the grand champion cow.

The two aged cow representatives of the milking and dry sections respectively were senior and reserve Senior champions, and then went through to win the grand honors over the junior winners.

The Junior Female Classes

The senior yearling class of 22, as always was a strong display. The winner, Baker Montvic Cavalier Nig exhibited by Leo A. Baker & Sons moved up to the head of the line by degrees but when she arrived looked so good that she went through to junior championship. She is a strong heifer, and it was this consideration that finally moved her above the flashier Hilldix Sovereign Kay, Dixon Fraser's daughter of Spring Farm Sovereign Supreme. The top four in this class were very outstanding. Art Hay of Colony Farm had really counted on winning this class with Colony Poetess Ena, and J. M. Fraser had another one in fourth place by Spring Farm Sovereign Supreme and from the same dam as Juliette, from which he expects great things. The Dixon Fraser heifer as mentioned was reserve Junior champion.

Jack McCague was out front here with a daughter of Rag Apple Talisman. This heifer, Glenafton L. Holly Dutchland, is a very promising young thing with lots of strength along with refinement and particularly good in the pins and tailhead. She was really outstanding in a good class.

The senior heifer calf class of 30 gave George Raithby a real workout. Interestingly the two top calves were a pair of identical twins Seiling Abegweit Belt, and Seiling Abegweit Spot, the names indicating the markings for identification. There were good heifers way down the line here.

McCague won the junior calf class with a calf of very interesting pedigree. This was Glenafton Enchantress Vee B, a daughter of Glenafton Enchanter (the bull that sold for $17,000 last summer) and out of Glenafton Laurel Vee B., whose dam was purchased from Butterfly Farm several years ago, a daughter of Pebble Beach Vera Secunda, who is going on at Glenafton to establish a sensationally high testing family. This was a nice young calf.

The Groups

There was some excellent competition in the groups and particularly in the senior get of sire were three very outstanding top groups. McCague finally moving into the first spot with an all milking group by Marksman. Jack Fraser taking second place with a group by Illehee Montvic Segis (including Juliette), and George McLaughlin's Monograms in third place. McCague also won the Produce on a pair from his great proved cow, Little Rock Pabst Colantha, which included the Best Uddered Cow and the third prize senior yearling bull (under the junior and reserve junior champions in class). It took a little extra uniformity on their part to place above the pair made up of Juliette and the first prize bull calf.

McCague also won the Dairy Herd with the same group that won the Get of Sire, the Junior Herd and the Junior Get of Sire here again with the Marksman group and the Breeder's Herd, a sweep of the groups except for Graded Herd, where Jack Fraser was first and McCague second.

Jack Fraser won the George S. Henry Challenge Trophy for group of three best uddered Holstein females, and also the Holtby Challenge Trophy as the breeder of the two best Holsteins in the show, any age either sex. The two grand champions qualifying for Mr. Fraser gave him a sensational win here. With the winning of Get of Sire class went the award of the Haley & Lee Challenge Trophy, which has now been in circulation since 1927.

In the Inter-Provincial or State Herd contest British Columbia and the four championship show divisions of Ontario competing separately, West-Central Ontario was the winner.

Following is the complete list of awards:

Junior Bull Calf (14)
1. Glenafton Blarneystone 218706, J. J. E. McCague and J. R. Hood, Alliston, Ont.; 2. Spring Farm Supreme Norman 216980, J. M. Fraser, Streetsville, Ont.; 3. Glenafton Steadfast 214-128, Edwin S. Eby, Kitchener, Ont.; 4. A. B. C. Supreme Sovereign 215076, Rosafe Farms, Brampton, Ont.; 5. A. B. C. Wayne Sovereign 215077, Rosafe Farms; 6. Bond Haven Rag Apple Maple 218036, C. J. Cerswell, Beeton, Ont.; 7. Glenariff Rag Apple Prospect 214903, H. Bruce Tink; 8. O. C. H. Sovereign Pete 215131, Oxford County Home, Woodstock, Ont.; 9. Ainslee Rag Apple Joe 214852, Gordon Ainslie, Blenheim, Ont.; 10. Ebydale Rag Apple Count 215273, Edwin S. Eby.

Senior Bull Calf (15)
1. Spring Farm Fond Hope 212309, J. M. Fraser; 2. Way Brook Legacy 212-500, O. Chambers, Wilfred, Ont.; 3. Glenafton Engraver 213552, J. J. E. McCague; 4. Spring Farm Jojo 212819, J. M. Fraser; 5. Ileehee Sovereign Supreme 217547, Glencloskey Farms, Queensville, Ont.; 6. Mission Wayne Posch 211654, O. M. I St. Mary's Mission, Mission City, B. C.; 7. Colony Beets De Kol—Sir Netherland 212628, Colony Farm B. C., Essondale, B. C.; 8. Acme Roger Rocket 214524, Pickard & Clark, Carstairs, Alta.; 9. Q. T. P. Souvenir Dandy 214704, J. P. Davidson, Listowel, Ont.; 10. Acme Royal Rocket 214680, Pickard & Clarke, Acme, Alta.

Junior Yearling Bull (7)
1. Gilmore Emperor Hengerveld 210-889, Leslie Gilmore, Steveston, B. C.; 2. Rockwood Aaggie Toitilla Rocket 206934, Arnold Stevens & Son and Orville Brush, Wanstead, Ont.; 3. Thames Crest Commander Souvenir 207639, Roy C. Warwick, Blenheim, Ont.; 4. Westmount Sovereign Ensign 208866, J. D. Innes, Woodstock, Ont.; 5. Pomona Sovogram 220252, Bert Thornton & Son, Thamesford Ont.; 6. Forthlyne Sovereign Inka D 210829, F. H. Caldwell, Carp, Ont.; 7. Dunure Historian 212118, Bertram Hoskin.

Senior Yearling Bull (10)
1. Rockwood Rocket Tone 205523, H. Houltmann, Rosser, Man.; 2. Pabst Sir Roburke Rag Apple 1024453, Cornell Farm, Neillewood Farm and Mooseheart Farms, Illinois; 3. Glenafton Paturity 204624, J. J. E. McCague; 4. Marmadale Sovereign Supreme 206492, Russell Masterson, St. Catherines, Ont.; 5. Glenafton Benefactor 205583, J. J. E. McCague; 6. Dunwood Mercedes Pride 204946, Elmer Carney, Georgetown, Ont.; 7. Bond Haven Sovereign Enchanter 203793, J. G. Brethet, Tattenham, Ont.; 8. Willola Steve Bellringer 205205, W. T. H. Lennox, 9. Spring Farm Supreme Skipper 206209, James Bros. & J. M. Fraser; 10. Ormsdale Twilight 205385. W. L. Evans & Son and H. W. Ormiston.

2-Year-Old Bull (7)
1. A. B. C. Reflection Sovereign 198-998, Rosafe Farms; 2. Bond Haven R. A. Monarch 196832, Bruce W. Naylor, Weston, Ont.; 3. Glenafton Precedence 198440, J. J. E. McCague; 4. Seiling Achilles 197053, A. Seiling, Elmira, Ont.; 5. Montrig Rag Apple Sovereign, M. B. Rigby, Blenheim Ont.; 6. Bo-Cann Sir Inka Ormsby 980011, Bo-Cann Farms.

(Continued on page 35)

Bovine Nutrition and Trace Minerals*

By GUSTAV BOHSTEDT**, Ph. D., Madison, Wisconsin

During recent years much has been made of rumen digestion and rumen synthesis to the extent that we may need to consider the limitations of this really remarkable digestive organ of cattle, sheep and other ruminants. Thus, in a discussion of the value of ground corncobs recently, one enthusiast made it appear as if ground corncobs were worth very nearly as much as ground corn itself, or were worth at least 75% as much as corn. But as a check to our enthusiasm in this respect we have the results of steer feeding trials at Iowa State College last winter where ground corncobs proved a valuable feed, to be sure, but nothing like representing a 75% or even a 50% relative value to corn grain.

To be sure, ground corncobs have fitted in well as feed for helping carry beef cows or stocker steers through the winter, or getting yearling or two-year-old steers well started on their fattening period. But if used in liberal amounts in rations of baby beeves, or carrying fattening cattle right up to a necessary good market condition, ground corncobs were worth no more than poor quality hay. Let us keep in mind that as a steer fattens, digestive capacity declines in relation to live weight. In other words, the valuable space in the stomachs and intestines of fattening steers should then be occupied for the most part by highly concentrated feeds like corn and oil meal rather than by a higher fiber feed like corncobs, cottonseed hulls, straw, or low grade hay.

Rumen Organisms Need Their Own Balanced Rations

These roughages mentioned are all high in fiber or cellulose and therefore are low in energy or productive nutritional properties. They are also low in protein, essential minerals and vitamins. Unless these essential principles are supplied, even the famed rumen of a cow or steer is up against it for making use of fibrous feeds. Rumen organisms, the bacteria, protozoa, actinomyces, and other forms of life that make up the biology of the rumen, need a balanced ration of their own in order to function in the process of digestion and such activities as protein and vitamin synthesis. For one thing these organisms need a ready source of energy, and, therefore, at least a minimum amount of starch or sugar. They also need nitrogen, if not protein, and they need certain minerals, such as cobalt. Possibly they also need certain fat-soluble vitamins such as carotene. The flora of the rumen and other parts of the digestive tract probably have their own specific requirements of various nutrients of the kind mentioned. When these nutrients are available, organisms do a remarkable job digesting fiber, celulose, and in building up efficient proteins and apparently the whole complex of water-soluble vitamins, including vitamin B^{12}, which now is so prominently in the limelight.

Quality Hay Extremely Important

Unfortunately, the average quality of fiber feeds, especially preserved roughages, like hay and silage, is not good. Even pastures leave much to be desired.

We are told that 75% of all the milk produced in the country comes from roughages or forages, and the other 25% of the milk from the additional grain and protein concentrates that are fed. It is seen that the quality of forages fed throughout the year is of enormous importance.

Professor George M. Werner, Extension Dairy Specialist at the University of Wisconsin, during the past couple of years has kept a box score on the quality of hay and silage that was delivered by farmers to so-called hay and silage clinics at winter meetings in their respective communities. It was then the duty of Professor Werner or associates to grade these forages and to give discussions on factors that made for good or poor hay or silage. In this way some 667 samples were judged with the following results: Only five per cent of the samples submitted were excellent, 25% graded good, 45% fair, and 25% poor. Between two-thirds and three-fourths of all the hay and silage put up by farmers and dairymen of Wisconsin graded no better than fair, a large portion of it downright poor.

There is no reason to suppose that farmers in other states do a better or very much better job of making hay and silage. This means that a good job is being done only in preserving the coarse-fibered stalks of forage crops. The loss of leaves is a loss of a large portion, or even the major part, of the fine protein, minerals and vitamins originally a part of the plant. Properly conserved for winter use these last portions would revolutionize our American livestock management and tremendously improve the health and efficiency of animals.

Rumen Synthesis Makes Cow Manure Valuable

In the presence of essential elements, the paunch organisms of a cow have a better chance at producing a better complex of proteins or amino acids, if by chance this should be necessary. There would be more readily available energy nutrients, in such high quality forages, and still other nutrients, that the organisms may need to synthesize water-soluble vitamins. By preserving the leaves of hay, the various minerals, including the minor or trace minerals are better conserved. Surely, the bacteria in their synthesis of vitamin B^{12} need cobalt, as this cannot be obtained from thin air. Among the whole galaxy of B-complex vitamins we have the so-called APF factor, of which B^{12} is a prominent component. The complexity of the life processes or biological processes of the paunch are really tremendous. I doubt whether on posting a cow and discarding the paunch contents we are always aware of its enormous importance. A little wad of rumen content of this sort transferred to the rumen of a three-week-old calf might make a very considerable difference in the efficiency of rumen physiology of this developing young animal. Such transfer of a cow's cud to a calf has recently been made at the Ohio Experiment Station with seemingly good results. Perhaps this work is continuing and we shall hear more about it. This has raised the question of whether a calf running with its dam and licking the same materials that have been slobbered over by the cow, might not in this way get a beneficial inoculation of its paunch and thus have an advantage over a calf that is removed from the dam when only two or three days old.

What is contained in the paunch contents of cows or steers is likewise found in the cattle manure. We may expect to find there some valuable essential amino acids, water-soluble vitamins and, depending upon the quality of the forages consumed, a considerable amount of carotene and other fat-soluble vitamins. Perhaps this is why pigs following steers in the feed lot are usually thrifty. They do not miss pasture nearly as much as other pigs that are kept penned up. Among the water-soluble vitamins synthesized by the cow is vitamin C or ascorbic acid. In contrast with the other water-soluble vitamins, the B-complex vitamins, vitamin C is synthesized within the body proper rather than in the paunch or digestive tract. Whether vitamin C is synthesized primarily in the liver or in epithelial tissue including the lining of the digestive tract, its production seems to hinge in part on the carotene content or, let us say, on the quality of hay, silage or other forage that has been fed. With all her rumen assets, a cow is after all dependent upon leafy green hay or com-

*Address at Nutrition Conference for Veterinarians, jointly sponsored by the Illinois Feed Association and the Illinois Veterinary Medical Association, Peoria, Illinois, September 1, 1949.

**Chairman, Dept. of Animal Husbandry, University of Wisconsin.

(As published in Veterinary Medicine)

parable grades of forage in order to be well nourished.

High Carotene Means Good Hay

High carotene content stands for high quality of hay and silage. Carotene is the single most important criterion in the grade or quality of hay. High carotene hay is almost bound to be a leafy legume hay, and therefore the most desirable kind of hay. High carotene content means that such hay has been cut early, and has been properly cured and stored. If we preserve carotene we also preserve protein and what we ordinarily refer to as the protective nutrients—these being the various minerals and vitamins. Dr. E. B. Hart, of the University of Wisconsin, has during recent years devoted most of his efforts toward the preservation of carotene in hay, especially dehydrated hay. Most of us appreciate that as alfalfa hay comes out of the hydrator it has its moisture reduced to only about five or six per cent, being therefore a very dry product. If now this low moisture is raised to a level of about ten per cent and the hay is stored in an air-tight container, the carbon dioxide produced by some form of respiration within the hay replaces the free oxygen, in this way stopping the destruction of carotene. At least the destruction of carotene is greatly slowed down, thus resulting in a carotene-rich feed after many months of storage. This process is still in the experimental stage but the results are reassuring. They have importance in consideration of the fact that normally about half of the carotene in hay is destroyed during the first six months of storage.

Trace Minerals Are Coming to the Front

I have mentioned trace minerals and one of its members, cobalt. We consider five trace minerals as necessary to be added to many practical livestock rations, more in some sections of the country than in others. These five trace mineral elements are iodine, cobalt, manganese, copper and iron.

By way of a very brief review, we have the Great Lakes region and some of the northwest states that are lacking in iodine; several regions of the country including Florida, also some of the northeastern states and parts of Michigan and Wisconsin are lacking in cobalt; the sand or sand-derived swamps of Florida are lacking in copper, seemingly also iron; and many livestock rations, especially poultry rations, in various parts of the country are lacking in manganese. The feeding of extra amounts of manganese to poultry has become a well-nigh universal practice. Chickens have an unusually heavy demand for manganese for purposes of early growth, for reproduction including the hatchability of eggs, and for proper bone growth and the avoidance of perosis or slipped tendon.

In recent years only iodized salt was being fed, in consideration of a possible iodine deficiency, now the other trace minerals mentioned, sometimes also including zinc, are being added to iodine to produce so-called trace mineralized salt. The trace minerals are also put in special premixes as prepared by various manufacturers. Both methods are or can be made effective and at the same time economical.

It seems obvious that if an iodine or a cobalt deficiency is found in one or the other area of a country, that iodized or cobaltized feed should be used by way of nutritional protection. Thus iodized salt to be used in formula feeds or in home-mixed rations has been used in the Great Lakes area for many years. A few years ago in Wisconsin cobalt was likewise in many cases added, in the amounts of from three-fourths to one ounce of cobalt sulphate with 100 pounds of salt. This has given protection against a cobalt deficiency in cattle, sheep or other ruminants. The picture in reference to the other trace minerals is not quite as clear, in that, with the exception of Florida, we have not experienced anywhere else such a dramatic occurrence of a copper and iron deficiency. Nor do we, with the exception of perosis in poultry, have a similar striking occurrence of manganese deficiency in farm animals. However, there have been considerable improvements in many swine and cattle rations where manganese additions have been made, and where seemingly copper and iron may likewise be beneficial.

Need Trace Minerals Be Fed Everywhere?

This raises the question of how universally the above-mentioned trace minerals should be fed. Should every stockman feed rations that are supplemented with these trace minerals? This prospect may seem somewhat forbidding.

At the same time, there are many dairymen, producers of pork and other stockmen who feel that where every few years seemingly still another trace mineral deficient area of the country is being identified, they themselves might perchance be living in a part of the country that some years hence will be found as also more or less deficient in one or the other trace mineral elements. Hence, until one knows for sure that the mineral situation is all that it should be, why not carry insurance against a trace mineral deficiency in herds and flocks?

Why not, therefore, feed rations that are fortified with trace minerals in one way or another? Feed manufacturers are availing themselves primarily of trace mineral premixes in the production of their formula feeds. There are thus well designed and economical trace mineral preparations that in specified amounts in commercial mixed feeds give protection against the several trace mineral deficiencies.

Thus a quite logical trace mineral premix for poultry is manganese plus perhaps other trace minerals incorporated in ground limestone or calcium carbonate. Poultry have a high requirement for both calcium and manganese. They may also be in need of additional iodine.

One of the significant developments during the past two years has been the production and use of trace mineralized salt. Where there were only two or three salt companies offering trace mineralized salt to the trade a year or two ago, there now appear to be a dozen or more. In other words, trace mineralized salt is coming into quite general use. It is used mostly for free choice feeding where animals have voluntary access to it. It may be used in the same way that ordinary salt has been used all along. When properly compounded, it lends itself also as a premix in feed manufacture, thus conveying effective protection to farm animals.

Low-Cost Insurance Against Mineral Deficiencies

This still leaves unanswered the question of whether such fortified feed or fortified salt should be used everywhere. I mentioned the factor of insurance. It is readily understood that the purchase of insurance may be wide-spread if the rates or the premiums are low. In the case of trace minerals, whether conveyed to the feed by special premixes or by trace mineralized salt, the rates are or can indeed be quite low.

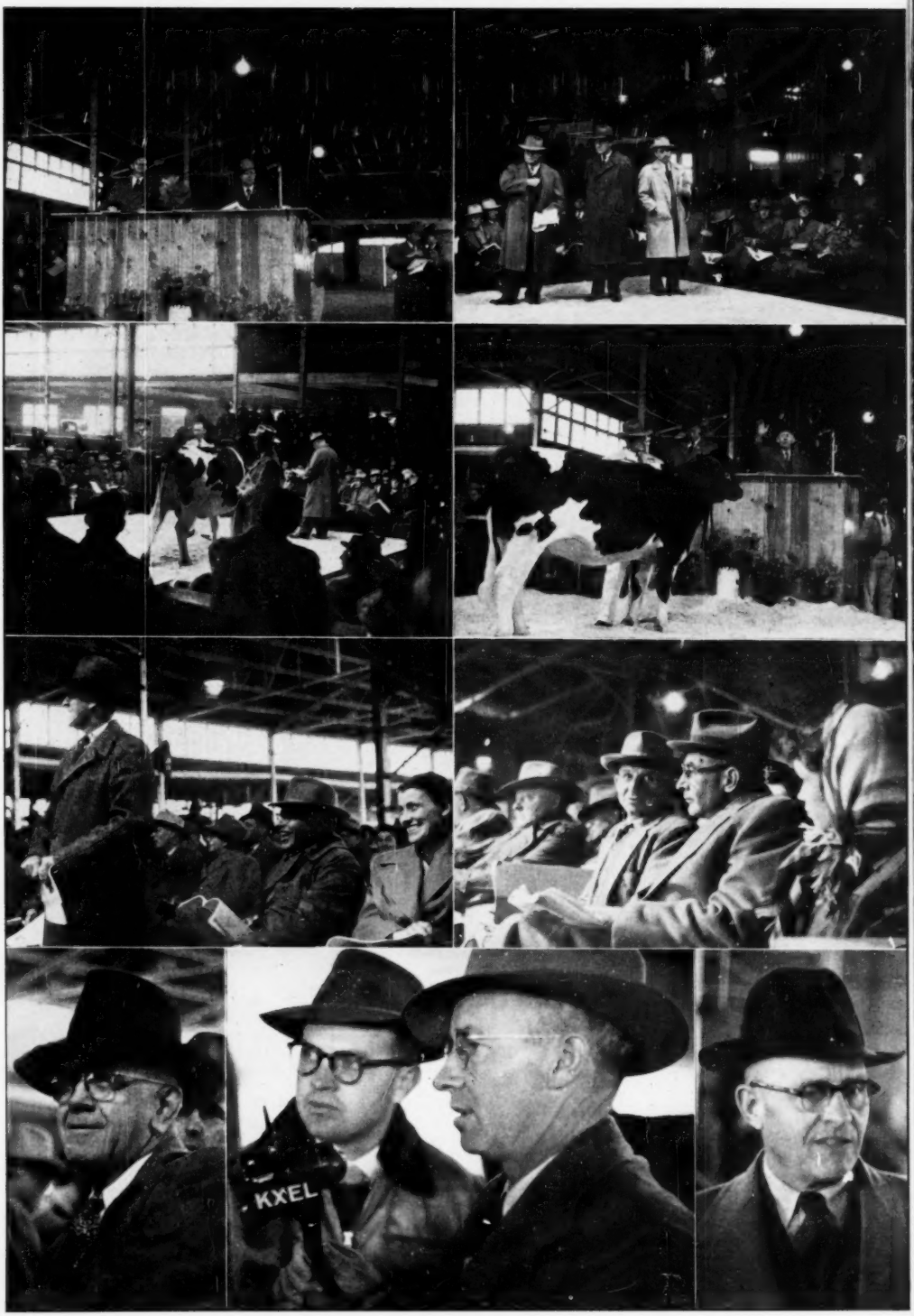
Thus, considering the price differential between plain salt and trace mineralized salt, a ton of cow feed can be effectively trace-mineralized for only about ten cents. This compares with 50 to 75 cents which it has cost now for many years to fortify a ton of cow feed with phosphorous by way of that one per cent, or 20 pounds per ton, of bone meal or other suitable phosphate. And let us remember that so far as cattle are concerned a phosphorous deficiency, let alone a calcium deficiency, is not a threat at all where a proper field and fertilizing program is followed, and where ordinary well balanced rations are fed.

Considering the fact that the average farmer or dairyman buys only about one-half ton of salt a year, he spends only from $6.00 to $7.00 a year for the protection of his cattle and other livestock, so far as trace mineral deficiencies are concerned.

Insurance against the various known trace mineral deficiencies in our farm animals may be relatively cheap. As a matter of fact insurance against any mineral deficiency may be cheap and at the same time effective. A man's cow herd and young stock is well protected against a calcium deficiency by having legume forage in the diet. Such forage crops are high in lime or calcium. If these forage crops have been grown on soil that is rich in available phosphorous, as may be supplied by the wise use of stable manure and by commercial fertilizer, the feed crops are well fortified with phosphorus. Where some 20% of wheat bran or middlings or oil meal is contained in a dairy feed mixture, this adds a generous supply of phosphorous to the ration. Salt naturally is an indispensable mineral and should in nearly all cases be fed free-choice to the animals, whether they have salt in their grain feed or not.

To make insurance doubly sure, the

(Continued on page 41)


KXEL

KANSAS BANQUET HONORS "DOC" MOTT
Deeply touched by being honored at the pre-sale banquet, W. H. Mott looks at his birthday cake with 80 candles blazing, and prepares to make appropriate remarks. Left to right: Mrs. Kubin, Quentin J. Kubin, "Doc" Mott, Mrs. Mott, Mrs. Appleman, G. Raymond Appleman, Mrs. White and Joe White.

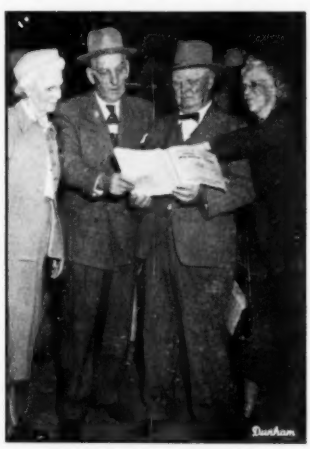
ANYTHING CAN HAPPEN IN KANSAS
Official quintet of the 1949 Kansas State Sale harmonizes at the banquet. Members include T. Hobart McVay, Quentin J. Kubin, Bob Adams, W. H. Mott, and Secretary Dunaway of the Herington Chamber of Commerce.

Kansas State Sale and Banquet

31 Females 2y & over (2 calves under 3m sold with dam)	$17,490	$564.19
6 bred yearlings	3,275	545.83
8 open yearlings	3,560	445.00
7 heifer calves over 3m	2,920	417.14
10 bulls over 3m	4,175	417.50
62 Head	$31,825	$511.70

Kansas breeders were rather disappointed in their 1949 state sale average when 64 head of their best Black and Whites brought an average of $512 on November 7. A huge crowd jammed the sale pavilion at the Herington fair grounds and the average of $409 secured at the Central Kansas sale at Hutchinson two weeks previous had led the sale promoters to believe that the state sale would equal or exceed last year's record average of $637.60. A larger proportion of females under two years of age this year contributed somewhat to the lower average figure. There were 41 different consignors and all of the sale arrangements were nicely handled.

Robert W. Adams came from Tulsa, Oklahoma to take home the tops and he was again the heaviest purchaser of these good cattle from the Sunflower state. Diane Tritomia Design from the Mott and Kandt consignment of Herington and a granddaughter of the Silver Medal Right Royal Design was the only animal selling for four figures and brought $1075 on the bid of Mr. Adams. However, White Farms Ollie Mercedes, four year old daughter of De Kol Carnation Madcap from the White and Smith herd sold for $825 to Mr. Adams and, along with her baby heifer calf at $225, brought the total of $1050. Leo Hostetler of Harper, Kansas secured the calf.



Mrs. Mott helps "Doc" and J. C. Marlow decide on possible bids at the sale. Mrs. Marlow looks on at the left.

Other purchases of Mr. Adams were the 776-lb. daughter of Dunloggin Master De Pabst from the Beezley consignment at $760 and another White and Smith cow, granddaughter of Sir Bess Tidy, at $650.

Highest selling bull was a full brother to last year's top male, Ernest Reed and Sons' Challenger bull sired by their son of Browns Mistress Corinne out of their All-Kansas Lilac cow. W. H. Mott took him at $775. Another Oklahoman closely approached Mr. Adams' total of $4335 on 6 head. He was Will R. Johnson of Skiatook who took seven head for $3800 headed by the Martin Blanke young granddaughter of Clyde Hill Hengerveld Fobes at $625. G. W. and Clem Bassett of Richmond, Texas secured six head for a total of $2360 including the Ackerman daughter of Glenlane Sir Ormsby Dean at $585.

About 225 Holstein breeders assembled at the banquet on Sunday night preceding the sale. Veteran Kansas breeder, W. H.

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MAYTAG DISPERSAL SNAPSHOTS

Fred Maytag II put his hobby to good use in shooting, developing and printing these views of the Maytag Dispersal.

Top Row—
Left: Petersen, Mack, Campbell (Joe Hill roses in foreground). Right: Smith, Halsey, Seitz (Ray Ullman shows up in front row). Second row: Part of the crowd—Mike Stewart at halter of Josephine. Right: Daughter of "Florie" selling, Lowell Nelson at halter, Gene Mack in action.

Third Row—
Left: Jack Halsey standing, Dr. and Mrs. Pape sitting. Apparently Gene Mack is doing the egg trick. Right: Harold Goldsmith, with Emil Hansen. Lois Ann Campbell at the right.

Bottom Row—
Left: Joe Eves relaxes. He helped select the foundation. Center: Dallas McGinnis (Station KXEL) and Mel Campbell. The sale was broadcast for 15 minutes over this station. Right: Glen Householder leaves his hospital bed to attend the sale.

Editorial---

A. B. A. and the Bull Market

Edward P. Boyd of Oklahoma, writing in the Round Table this week, raises a question that has doubtless been in the minds of many breeders, i. e. With the further development of artificial breeding, what is going to happen to the market for bull calves?

We think without doubt this program is already operating against the sale of what might be termed the ordinary type of young bull, and we do not think that is an unmixed disaster, from the standpoint of breed improvement. Incidentally, this was not a great source of net income to breeders who for quite a period of years have found it difficult to get their costs of raising to service age these bulls of below average merit. For that type of bull, the situation is not much worse now than when we had the so-called "stockyards" bull as a contender in the cow freshening business. The artificial breeding organizations have largely put him out of business anyway.

On the other hand, our artificial breeding associations very generally have a sincere desire to perform a service, and most of them are constantly on the alert to secure the best possible sires. The big groups have an endless problem here and too frequently have to compromise their standards in order to keep a steady flow of semen going out.

It seems to us there will always be a group of more ambitious and breed-minded men who will continue the job of breeding and proving young bulls for which the cooperative associations will provide a strong market.

If the current developments do not prove to contribute soundly to the improvement of our dairy herds, the system will eventually fall of its own weight.

If on the other hand the artificial breeding program does accomplish the hoped for results in the improvement of our dairy herds, our purebred industry must adjust itself to the changed conditions and must not place itself in the position of endeavoring to put a brake on the wheels of progress, if that is what it proves to be.

Dead Storage

The government now has its hands on one-third of last year's cotton crop. Ditto one-third of the wheat, three-fourths of the peanuts, four-fifths of the flaxseed, and well toward one-half of the potatoes and dry beans.

It owns about half the butter now in cold storage.

It has corn piled up in all manner of cribs from Kansas to Ohio, until the landscape of the Central States is speckled with government corn.

Out in a cave near Atchison, Kansas, it has dried eggs piled up five barrels high and covering 15 acres of underground storage space. The present stock of eggs owned by the government equals a nine-year supply for consumers.

It is planning to support hog prices this fall by buying pork and pork products. Perhaps you will be able to think of the pork held in dead storage by the government when you look over the prices this winter in the meat counters.

Not only does the grain which the officials buy up with taxpayers' money never come this way to feed Northeastern cows and chickens, but many of the finished products of that grain are put away in the safe before our Northeastern consumers get a taste of them. If precedent is followed, eventually most of this colossal hoard of food will be given away abroad.

What kind of a system is this that robs us both directly and indirectly of the high protein foods that spell health for our people and economic use of our grains? Does this make sense to Northeastern farmers and consumers and taxpayers? Is a system good that wastes our most precious national assets and penalizes us all?—From Monthly Economic Letter, Northeast Farm Foundation (Nov. 1, 1949).

The Cover

Our cover picture this week shows the class of aged cows in milk at the Royal Winter Fair as placed. At the head of the line stands Spring Farm Juliette, Jack Fraser's famous winner, making her first appearance this year in the aged classes. Next to her is Glenafton Laurel Colantha, second prize aged cow and best udder winner in the show, a Marksman daughter from J. J. E. McCague. In third position is Colony Pearl Vrouka Countess, a Colony Farm product for many generations. Another British Columbia cow is in fourth position, Frasea Lady Perfection Wayne, who was the Reserve All-American four-year-old last year for J. Grauer & Son.

Attention is called to the large gallery in the seats in the background. The Royal Winter Fair for some years has kept the ring clear of spectators. Something of the popularity of breeds in that country may be judged from the extent to which the seats are filled in their respective sections. While the Holstein judging was in progress, the Ayrshire, Jersey and Canadian breeds were all being judged (they have no Swiss classifications at the Royal) with the galleries shaping up in size in about that order.

It is this four- or five-ring circus that makes it impossible to provide any spectator space out on the tanbark. It is necessary for them to get the judging of all the dairy breeds out of the way promptly to make place for the beef breed judging in the latter half of the show. We think interested breeders enjoy getting right down into the ring where they can see the animals at eye level as they are permitted to do at both Waterloo and Indianapolis.

Getting back to the class in the ring, the Juliette cow went through to senior and grand championship of the show.

Round Table

BULL RINGS AND BREEDERS

Editor, Holstein-Friesian World:

Have we all thought the bull ring through to the long end I wonder. When breeders can not sell their bull calves, no matter how good, are they not pretty apt to quit being breeders? And so, eventually, where will the bull rings get top bulls; and, incidentally, The "World" and others get their advertisers

I am also wondering if the Association should not consider controls and limitations on bull rings. It seems to me the amateur (Lovers) breeders who are principally responsible for the top development of livestock of all kinds, should have some preference over rings, which should be most useful with dairymen with grade herds.

Edward P. Boyd,
Boyd Farms, Rt. 4,
Oklahoma City, Okla.

Sale Calendar

Dec. 6 Waukesha, Wis. Waukesha Breeders' Sale, Baird & Darcey, Sale Mgrs.

Dec. 7-8 Earlville, N. Y., 247th Earlville Sale and Invitational Sale. Management R. Austin Backus, Mexico, N. Y.

Dec. 7 Watertown, Wis., Wisconsin Breeders' Sale. Management Baird & Darcey, Waukesha and Watertown, Wis.

Dec. 10 **Williamston, Mich.,** 29th Wolverine Holstein Sale, C. B. Smith, Sale Mgr.
Dec. 10 **Kenosha, Wis.,** Laden Acres Farm II Dispersal, Management Public Auction Service Co., Burlington, Wis.
Dec. 10 **Chagrin Falls, Ohio,** Natt R. Davis Dispersal, J. O. Fenstermaker, Homerville, Ohio, Sale Mgr.
Dec. 12 **Lebanon, Ohio,** Howard M. Stolle Dispersal, A. W. Petersen & Associates, Sale Mgrs., Oconomowoc, Wis.
Dec. 22 **Lancaster, Pa.,** 82d Garden Spot Sale, Management R. Austin Backus, Mexico, N. Y.
Dec. 30 **Mt. Joy, Pa.** Keystone Sale, Keystone Sales Inc. Mount Joy, Pa.
1950—
Jan. 9 **Watertown, Wis.,** Wisconsin Breeders' Sale, management Baird & Darcey.
Apr. 29 **Springfield, Mass.,** Bred Heifer Classic.
May 1 **Oconomowoc, Wis.,** (Pabst Farms) Top of the Crop Sale. A. W. Petersen & Associates, Oconomowoc, Wis., Sale Mgrs.
June 8 **Syracuse, N. Y.,** National Home-Coming Convention Super-Duper Sale.
Oct. 20 **Watertown, Wis.,** Dodge County Holstein Breeders' Ass'n Sale, Elsmer F. Berg, Sec'y, Brownsville, Wis.

Coming Events

Jan. 9-15 **Harrisburg, Pa.,** Pennsylvania Farm Show Week, Holstein judging, Jan. 10, W. A. Weeks, N. Clarendon, Vt., Judge.
Jan. 11 **Harrisburg,** Pa., Annual Meeting Pennsylvania Holstein Ass'n., J. A. Fairchild, Sec'y.

FORD W. MCLAURY

Ford W. McLaury, Portlandville, N. Y. died in an Oneonta hospital, Oct. 21, after a week's illness. He was 60 years old. For many years he had been a partner with his cousin, Dorr W. McLaury, in the extensive farming and Holstein breeding business of McLaury Brothers, originally established by their fathers. In the operation of the partnership, Ford devoted his time more particularly to the operation of the farms and other interests, while Dorr handled the cattle operations. The partnership was discontinued last winter with the sale of the herd.

Ford McLaury served for ten years as supervisor of his town and likewise for a long period as director and active member of the Eastern Milk Producers' Association. Surviving are his widow, the former Minnie Hacker, also his mother, now of advanced years, and a daughter.

TRIBUTE TO MARK KEENEY

The passing of Mark Keeney will be greatly missed by the Holstein Association and 4-H clubs. He did a great deal for the boys and girls in getting them started with good foundation stock.

Being closely associated with Mr. Keeney for some time was a privilege never to be forgotten, as he was an inspiration to all who came in contact with him. He was highly respected by all his employees as well as the breeders of all dairy cattle.

His life work was filled with usefulness and kindness which will long be remembered.

C. Baird Hammond

MAURICE E. MIX IS FIRST WARD STEVENS SCHOLARSHIP WINNER

Maurice E. Mix, of Heuvelton, N. Y., senior in the College of Agriculture at Cornell, has been selected by the Committe on Scholarships to receive the first annual Ward W. Stevens Holstein Scholarship award of $500.

This scholarship in honor of the late Ward W. Stevens is made possible by the contributions of Holstein breeders from all over the United States, and is to be awarded each year to an undergraduate student at Cornell on the basis of exceptional ability and interest in working with Holstein cattle, high scholastic rank in dairy husbandry courses, and need of financial assistance in completing his college course.

Maurice Mix has an enviable record of leadership at Cornell, where he is a member of the Round-Up Club, Nestry Foundation, Ho-Nun-De-Kah (honorary agricultural fraternity), College 4-H Club, and this year, Chancellor of Alpha Zeta, national honorary agricultural fraternity. He has won a letter as a member of Cornell's varsity baseball team, and last year became the first member of a collegiate dairy cattle judging team to win a new trophy offered at the Dairy Cattle Congress at Waterloo, Iowa for giving the best set of oral reasons for placings. This fall Mix will be a member of Cornell's general livestock judging team. During the college year he has worked for part of his expenses, and with all this, has made an excellent scholastic record, ranking in the upper quarter of his class.

MAURICE E. MIX

He is the son of Mr. and Mrs. Gordon Mix of Heuvelton. His interest in cattle began at the tender age of five in his father's herd of grade Holsteins. Through his interest in 4-H Club work, with Holsteins for his main project, the cattle on the home farm were gradually changed over to registered animals, building along Rag Apple family lines so prominent in that locality.

Mix graduated from Heuvelton High School in 1941 and took over the operation of the family farm because of his father's failing health, operating it throughout the war. He entered Cornell in 1946 following a dispersal of the herd.

Mix values his 4-H Club training above all, crediting his 4-H Club Agent Bert J. Rogus and his high school ag instructor, Lester Rawlins, for their guidance. He was a Club member for 11 years, including 2 years as assistant leader, and followed by three years as leader. He was St. Lawrence County 4-H Council president, and County FFA group chairman for one year before entering Cornell.

During the past three summers Mix has worked as a summer assistant 4-H Club agent, two years in St. Lawrence and one in Franklin County, coaching the winning Franklin Co. Dairy Club judging team and the winning St. Lawrence Co. general livestock team.

Mix will graduate with the Class of 1950. With a year to go, his plans for the future are still indefinite. He is considering returning to the farm, with County Agent work as an alternative.

NEW BOOKS AND BULLETINS

MODERN BREEDS OF LIVESTOCK By Hilton M. Briggs, Ph. D. Associate Dean and Director, School of Agriculture, Oklahoma A & M College. 755 pages. The Macmillan Company.

This is the most complete book of its kind we have seen. It presents quite detailed sketches of 15 breeds of cattle, 8 breeds of hogs, 15 breeds of sheep and goats and 14 breeds of horses.

For each breed historical material is presented concerning their origin and if a foreign breed their introduction into this country, discussion of early herds and a few present important herds, leading families, breed registry associations, along with breed characteristics, and finally an evaluation of the breed. The evaluation of faults is very frankly given.

The chapter devoted to the Holstein-Friesian breed covers 29 pages of the book and we are complimented that our own Holstein-Friesian History is frequently cited as a reference.

The book is a monumental work and is worthy of a place in the library of every purebred livestock breeder. For convenience, orders may be placed through the WORLD book department at the list price, which includes delivery costs.

SOME STUDIES OF THE CIRCULATORY SYSTEM OF THE COW'S UDDER

Technical Bulletin No. 982, United States Department of Agriculture. For sale by the Superintendent of Documents, U. S. Government Printing Office.

(Continued on page 55)

News of the Trade

JAMES UMMEL SELLS MILKING HERD

James Ummel, Elkhart, Ind. reports the sale of his entire milking herd to Roy A. Friedle, Evansville 4, Ind. where Loran Skelton is herdsman. Three fourths of this herd are descendents of "Old Reba," and Reba herself. She is almost 13 years old and still winning at the shows. Since 1938 when she was first shown she has won many best udder and grand champion ribbons. She has in her lifetime 129,284 lbs. of milk and 4,690 lbs. fat. She is perhaps the best known cow of the breed in the state.

The cattle, as well as producing up to 734 lbs. fat in the last year on 2X, have won for the Ummels, Premier Breeder award at Elkhart County Dairy Week; Kosciusko County Dairy Show; N. E. Indiana Dairy Show, also won first junior get, produce of dam, dairy herd, premier exhibitor, aged cow and grand champion, three-year-old, senior yearling, junior yearling calf.

This herd is the result of 12 years of breeding and drastic culling for type and production.

The Ummels at Prairie Crest plan to grow into the business again, since they have retained 10 heifers of those great cows, and sired by Dunloggin Key Man and Colantha Raymondale Var.

NEW WATERTOWN SALES PAVILION

The U. S. National Blue Ribbon Sale last month inaugurated the new sales pavilion, which Francis Darcy built at the former Clyman Farm (See report Nov. 19 WORLD).

Herewith we show a few interior and exterior shots made by Fred Wetmore on opening day, November 8.

The building is of steel and aluminum construction. It has a seating capacity of about 400. Some 200 upholstered theatre seats were secured, the balance folding chairs. The lighting is modern with an oil heating blower system. The acoustics are excellent. The pavilion is located adjoining the main dairy barn, which makes an ideal place to care for the animals and display them for sale visitors.

ACHILLES DAUGHTER MAKES 1164 LBS.

Smith Haven Rag Apple Benita (V.G.) is reported by the Holstein-Friesian Association of Canada with a record in five-year-old form, 3X milking, of 1164 lbs. fat, 26,140 lbs. milk, 4.45%. She had ten tests during the year, the highest 5.2, the lowest 4.1. Previous records were at four years on 3X, 888 lbs. fat, 21,835 lbs. milk, 4.07, and as a two-year-old on 2X milking, 642 lbs. fat, 4.21%. She was bred and is owned by Smith Haven, Woodstock, Ontario, and is the daughter of the Smith Haven sire, Montvic Rag Apple Achilles. Achilles it will be remembered is the twin brother of Ajax, the Raymondale herd sire, sired by Montvic Lochinvar and out of Montvic Bonheur Hartog, 1153 lb. four-year-old 3X breed champion.

UNIT BUYS EMILE AT $4,000

Montvic Emile Lochinvar has been purchased for $4,000 by the Artificial Breeding Unit of the Oxford Holstein Club, from Elmcroft Farms, Oshawa. This bull has been on lease by the Oxford Unit for the past three years at a cost of $4,200, so that a total of $8,200 has been invested in his services. Close to 3,000 cows have been bred to "Emile." His sire is the $13,000 Montvic Lochinvar and his dam the *Excellent cow Montvic Bonheur Emily, a former Canadian Champion producer and a member of the 1941 All-American Get-of-Sire by Montvic Pathfinder.

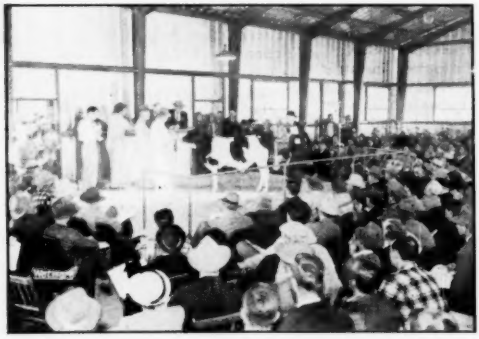
MONTVIC EMILE LOCHINVAR

JOE DAUGHTERS PRODUCING

Two daughters of Ellbank Marathon Jewel Joe (Ex.), herd sire at the Beacon Dairy Research Farm, Cayuga, N. Y., are doing well for their owner B. H. Decker, Springdale Stock Farm, Walden, N. Y.

Mercedes Marathon Lassie has completed a 2X 2-year-old record of 548 lbs. fat from 13,190 lbs. milk, while her paternal sister, Ormsby Marathon Aaltje Lass has a record at 2x of 514 lb. fat from 12,670 lbs. milk and at 4x of 579 lbs. fat from 15,180 lbs. milk. Aaltje Lass is fresh again at 5 years and currently milking 80 lbs. per day on 2X.

Jewel Joe, classified Excellent, was bred by the late Roy W. Wright, Pleasant Valley, N. Y. He is by a grandson of Newmont Trixy Ormsby Prince (G.M.) and from Ellbank Marathon Ormsby Lassie (V.G.), a daughter of the Prince bull. Lassie has six 2X records ranging from 3.8 to 4.1% and from 426.7 lbs. fat as a 2-year-old up to 753.6 lbs. fat.



TOP ANIMAL OF FIRST SALE IN NEW PAVILION
Pabst Como Jess, consigned by Pabst Farms, Inc., and purchased at $1275 by E. E. Kruse, Loganville Wis. Gene Halbach is at the halter; Smith and Baird are in the box; Mack in the ring at the right. Francis Darcey is at the stand, immediately back of Halbach.

OUTSIDE VIEW OF NEW WATERTOWN SALES PAVILION
(The dairy barn may be glimpsed adjoining). Construction is of steel and aluminium, with oil heat, modern lighting and comfortable seating.

PRESENTING OUR HERD SIRES !!!!

— JUNIOR SIRE —

HARTWOOD MARLOW PRINCE
ALMA BURKE 952003

Our herd is headed by our great proven Senior Sire, Femco Almas Only Son, who is still in active service in our herd.

We have two grandsons of his (Full Brothers) as Junior Sires. They are sired by an "Excellent" son of Burke and from an 800-pound fat daughter of Femco Almas Only Son. She broke three Ohio State Records at 2, 3, and 4 years of age, and has an average production for these 3 records of 712 pounds of fat in heifer form.

Don't miss this opportunity to get our breeding into your herd. Our 95 cows average 524 pounds fat (40 being two- and three-year-olds) in an average lactation period of 342 days. See us today for information on bulls of all ages or artificial breeding services. We urge you to visit our farms.

MARLOW HOLSTEIN FARMS — **MANKATO, MINNESOTA**

J. C. Marlow, Owner — John Rahbek and C. W. Sonnabend, Operating Partners

News of the Trade —

GREAT OLD SIRE DIES IN MICHIGAN

Lakefield Fobes Piebe, one of the famous Holstein sires used by the Michigan Artificial Breeders' Cooperative, Inc., East Lansing, Michigan, has been sent to the butcher.

During the forty-five months that he was used in artificial service by this organization, more than 3,902 calves by him were dropped on Michigan farms. These resulted from over 6,594 breedings, or sixty percent of the cows bred to him settled on either first or second service.

Records on expectancy of bull versus heifer calves indicate about forty-nine percent would be heifers normally. Thus, it is likely that 1,910 of the calves born were females.

The U.S.D.A. summarizes Dairy Herd Improvement Association's reports each year from all over the United States. These reports show that when one hundred pounds extra butterfat is produced annually, a return of $93.00 extra money results over feed costs when a production level of two hundred to three hundred pounds butterfat is used. Thus, the 1,910 daughters of Piebe will return to Michigan farmers approximately $177,630.00 extra money over feed costs each year, if the owners will give these Piebe daughters a chance to really work for them by feeding them liberally.

LAKEFIELD FOBES PIEBE
Fathered 3902 calves in Michigan A.B.A. after reaching the age of 13 years. Recently died at 16 years.

Piebe had the distinction of coming into the bull stud of the Michigan Artificial Breeders' Cooperative at East Lansing much later than any previously purchased bull. He was nearly thirteen years old when he arrived from the Carroll J. Hart Farms, Clayton, Michigan. He was successfully used until he was over sixteen years of age. Originally this bull was bred by Lakefield Farms, Clarkston, Michigan, and used in several other herds before going to the Hart farm or coming to East Lansing.

The proof on this sire based on 24 daughters with 56 records shows a yield of 13,272 pounds milk and 496 pounds butterfat. This yield, either in milk or butterfat, is nearly two and one-half times greater than the average annual production of all cows kept on Michigan farms.

A. C. Baltzer

TWINS FROM LOUISA

R. A. Page, owner of Unadilla Farms, Chadwick, Ill. reports that Whirlhill Princess Louisa Posch, the 746-lb. "Very Good" daughter of Commander Posch that he purchased at the Whirlwind Hill Farms dispersal ($1800) has recently paid him an extra dividend in the form of twin heifer calves sired by Pabst Signal.

SOUTH AMERICAN VISITORS AT INDIANAPOLIS EXPOSITION

Harvey Farrington with Senor and Senora D. F. Melrelles of Brazil.

Left to right: Sr. G. Herrera Carrizosa, Sr. H. Herrera Garrizosa, Senora H. Herrera Carrizosa, of Colombia; and Sr. Ricardo Crespo of Ecuador.

Sr. Alberto Perez and Son of Havana, Cuba.

News of the Trade

TWO NEW GOLD MEDAL SIRES

Reports are received from the Holstein-Friesian Association of America of two recent additions to the Gold Medal sire list. The following data will be of interest. **NJES Conqueror Eva Lad 865513 (GP)** owned jointly by the University of Connecticut, Storrs, and New Jersey Agricultural Experiment Station, Sussex, has been proved at the Connecticut institution and has met the qualifications for Gold Medal rating. He is the 86th Silver Medal type sire, the 110th Silver Medal production sire and the 120th Gold Medal proven sire and the 67th under the new rules. He has 17 daughters, born three or more years ago, that are known to have freshened and of these 14 have been classified. The required score is 81, but they made an average of 83.2. His 14 classified daughters, comprise four Very Good, three of these being two-year-olds, the highest rating available to them; eight are Good Plus and two, Good.

Fourteen daughters have been reported in Advanced Registry or Herd Test and of these ten exceeded Advanced Registry requirements by 50% and with butterfat tests of not less than 3.3%. The highest record daughter made 570.4 lbs. fat on 3X as a junior 3-year-old, 365 days, another as a junior two-year-old made 552.2 lbs., 365 days, 3X, and a third made 540.8 lbs. fat in 2X as a junior three-year-old, 365 days. The lowest record in the group is the junior two-year-old ten months record, 2X of 382.8 lbs., the other six all in the bracket from 415 to 471.2 lbs. The records are all Herd Test performances.

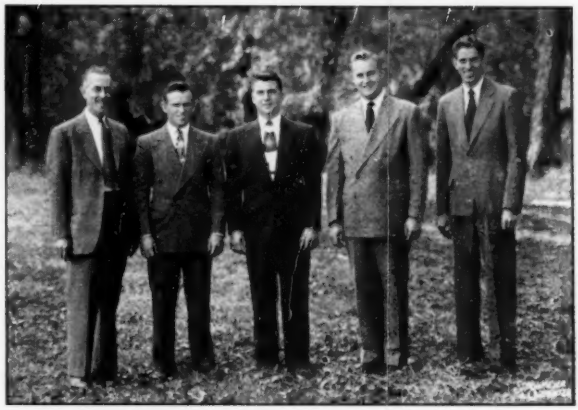
NJES Conqueror Eva Lad is a very closely bred Ormsby Sensation 45th. He is the son of NJES Sensation Charlot Conqueror, 873525, one of the key sires in the New Jersey breeding program, and out of NJES Chief Ormsby Advance Eva, 1846315, a daughter of NJES Sensation Ormsby Best Chief 675841.

Gold Medal Sire No. 121

Taylaker Ormsby Bess Blossom, 801937 V.G. is Gold Medal Sire No. 121. He is the 100th Silver Medal type sire and the 111th Silver Medal production and the 68th Gold Medal proven sire under the new rules. He was bred by J. W. Taylor, Visalia, California, and has been proved by John Wackerman, Orland, California. He has 29 daughters born three or more years ago that are known to have freshened. Of these 22 have been classified. The required score for classification is 81 and his actual score on the 22 daughters is 82.3. These include seven Very Good, seven Good Plus and eight Good.

Twenty daughters have records reported in Herd Test. Of these, 19 have records exceeding Advanced Registry requirements by 50% and with butterfat tests of not less than 3.3%. The records of these daughters range from 505.2 lbs. fat on a junior two-year-old, 365 days, up to 802 lbs. in 364 days at three years, ten months. Another daughter at 342 days at five years is credited with 737.9 lbs. and nine other daughters have records ranging from 601.2 on a four-year-old up to 697.6 on a four-year-old, a very fine production list. All records made on 2X.

The pedigree of this bull is extremely interesting. He is a son of Sir Bess Ormsby of Taylaker 2d, the famous Gold Medal high index sire at California Polytechnic College. This bull, Sir Bess Ormsby Taylaker 2d, is a double grandson of California's first Gold Medal sire, Sir Taylaker Ormsby Gettie, son of the famous King Pietertje Lyons Ormsby, and has an extra cross to K.P.L.O. through the sire's dam who is a daughter of that great foundation, Sir Pietertje Ormsby Mercedes bred sire. The dam of the new Gold Medal sire is Taylaker Ormsby Astria Blossom, and she is a maternal sister to the dam of Sir Bess Gettie of Taylaker 2d and is sired by another son of Sir Taylaker Ormsby Gettie. This bull is ten years old this month. In other words, to produce the new Gold Medal sire, Sir Bess Gettie of Taylaker 2d was mated with better than a three-quarter sister. It was a pedigree that Jim Taylor did not put through just by chance.



INTERCOLLEGIATE DAIRY CATTLE JUDGING WINNERS
Iowa State College 1st Prize Team, All-Breed Competition among 30 contesting teams at the Dairy Cattle Congress. A. R. Porter, coach, Geo. Lancaster, Bob Bellman, Geo. Leland, Joe Hooper.

OLD "CHIEF" IS GONE

Announcement is being made by the Northern Illinois Breeding Co-op of Dundee, that the Excellent proved sire, Montvic Chieftain 10th was recently done away with at 15½ years of age. In service in the association since March of 1940, "Old Chief" was the first bull used in an organized artificial breeding program in Illinois.

The last USDA proof on 65 dam and daughter comparisons in about 40 different herds shows an increase on 439 pound dams to 451 pounds of fat on the daughters. Two of his daughters on 2X have made DHIA records over 600 of fat. In HIR one is credited with 605 of fat and 15 others over 500 of fat. This double grandson of Johanna Rag Apple Pabst leaves three sons in service at the Dundee stud.

MONTVIC CHIEFTAIN 10TH
At past 15 years of age he was recently put to sleep at the Northern Illinois Breeders' Co-op, near Dundee, Ill.

LIGHTNING STRIKES WRONG COW

Carl Teelon, South New Berlin, N. Y., lost an outstanding cow on Sept. 22, when she was struck by lightning. She was Hartog Rue Ollie Echo who had just recently completed a 2X record in DHIA of 820 lbs. fat from 12,200 lbs. milk in 305 days.

Fortunately Mr. Teelon has three of her daughters in the herd although none are as yet in milk.

News of the Trade —

NICHOLS ON LEAVE TO ECUADOR

M. B. Nichols, former Western Fieldman for the Holstein-Friesian Association of America, later assistant superintendent of Advanced Registry and for the past several years extension dairyman at Washington State College, has accepted an invitation from President Galoplaza of Ecuador, to come to his country for two years of work there.

Nichols went down to Ecuador last summer upon assignment from the Holstein-Friesian Association of America, to judge their National Show and remained for two months in that country, by request of Galoplaza to help them set up a dairy production testing program and working on pasture management and fertility problems. He goes back now with his family for a two year stay upon invitation of President Galoplaza to help them not only with their dairy and agricultural problems but their even more pressing problem of the education of Ecuador's future farmers and rural people.

The project is sponsored jointly by the U. S. Department of Agriculture through the office of Foreign Agricultural Relations and the Ecuadorian government His headquarters will be in Quito, the Republic's capital ten miles south of the equator.

Mr. Nichols expects to be working closely with the Holstein-Friesian Association of Ecuador and will also retain a close working relationship with the Holstein-Friesian Association of America. Mr. and Mrs. Nichols and their three children left from Miami November 29. The children will be enrolled in the American school in Quito, a very fine school that was established by Galoplaza in 1939.

M. B. NICHOLS
Former Holstein-Friesian Association executive, now starting a two-year assignment as dairy extension specialist for Ecuador.

We hope to have occasional news from Nick in connection with his very interesting new work.

OHIO HERD AVERAGES 502.3 POUNDS FAT FOR 10 YEARS

Mr. J. F. Hutchinson, Gibsonburg, O., is the owner of the only Holstein-Friesian herd tested in the Herd Improvement Registry of The Holstein-Friesian Association of America to reach an average above 500 pounds on strictly twice-a-day milking for 10 consecutive years.

Figures recently compiled by HIR credit Mr. Hutchinson's herd of Holsteins with 13,934 pounds of milk testing 3.6% and 502.3 pounds of fat each year for 10 years on official tests.

The test years included the year 1939-1948 inclusive.

DEWEY BUYS FROM MACHOLD

On a recent trip to the north country before the senatorial election, Governor Dewey paid an unannounced visit at Machold Farms, Ellisburg, Jefferson County, to inspect the Holstein herd and purchase six heifers for his own farm at Pawling.

WE ASKED LEADING DAIRYMEN *Everywhere*

82% of responses say MARLOW MILKERS eliminate major cause of mastitis and increase milk production!

Our nationwide survey among dairymen using Marlow Milkers produced statements like these:

Herman Canfield, Bloomingdale, Ind.: "Have had no trouble with swollen quarters since using the Marlow Milker. I am getting an increase in production, and we personally recommend this milker to anyone."

Charles Marks, Marigold Dairy, Anaheim, Calif.: "My Marlow Milkers have been installed only 30 days, yet 90% of the mastitis has been cleared up and milk production has increased."

Emerson F. Hoffman, Delta, Ohio: "Since installing the Marlow Milker, we have never seen a swollen quarter or a speck of flaky or chunky milk in our barn."

Thousands say the same

We can show you thousands of similar statements from leading dairymen—telling how they have found Marlow Milkers the solution to their problems. They speak of healthier herds, of milking without teat irritation, of faster, more profitable milking without need for stripping. They speak of a machine easier to keep clean. Top producing herds all over the country are being milked with Marlow Milkers!

J. C. MARLOW

J. C. Marlow has grown up with mechanical milking. The new modern Marlow Milker embodies his 41 years' experience in servicing machines and raising purebred dairy cattle. He knows your problems—and answers them with the Marlow Milker!

Remember . . . Marlow is not just another milker. It's different!

MAIL THIS COUPON TODAY!

J. C. Marlow Milking Machine Co.
Dept. W, Mankato, Minn.
Please send your FREE illustrated folder, "What Leading Dairymen Say about the Marlow Milker."

Name_____
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DEFINITELY EASIEST ON UDDERS!

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COMMON SENSE ABBREVIATED

Dear Cyrus:

Here's a chance for you to have some fun and perhaps be paid for your enjoyment. I have been authorized by a liberal Holstein breeder to offer up to $50.00 to you and other readers of the **"World"** to help settle a question about which we have had a friendly discussion. (I gave up after 1:00 A. M.) Now he wants to learn what others think.

This is the question (in his words): "Resolved: That the man who buys and is willing to sell top females as a part of his breeding program contributes more to the advancement, expansion, and future of the breed than he who ordinarily buys few or no females and sells females usually from the bottom half of his herd."

My answer was like that of the psychology professor whom a student asked whether it is true that blondes prefer whiskey. His answer was, "Yes and No."

However, my Holstein friend would like your opinion either for or against the resolution. I hope it sets some thoughts a-stirring in your mind and that you'll write them down. There's an old saying, "There's Two Sides To Every Question."

We know that many who under ordinary circumstances buy no females and sell none of their tops often build great herds that do much to prove and advertise the breed. Those who buy and sell some real good ones along the way may take more profit "out" of the business than those who stick tenaciously to the job of breeding a great herd, but whether they can contribute most and take out most is still unsettled. We know also that beginners have sometimes had rather sad experiences buying so-called foundations from breeders who sell from the bottoms of their herds. Also we know there are those breeders who are interested in the creative point of view rather than the profit motive.

Your opinion on either side of the question is what is wanted, together with your reasons. You can write a long letter or a short one. Send it to me in care of M. S. Prescott, Editor of the **"World"** right away, or any time before February 1st.

Since I can distribute the $50.00 as I see fit, I'm going to give $15.00 to the writer of the first letter Mr. Prescott opens, $10.00 for the tenth letter, and $5.00 for every tenth letter thereafter until $50.00 is expended. All letters must be postmarked before February 1st.

Let's hear from you soon.

S'long.

Allen

The University of Tennessee on November 4 dedicated its fine new dairy husbandry building, named in honor of Jim Nance McCord. This will be a splendid addition to the facilities at the University and recognizes the growing importance of the dairy industry in this state.

News of the Trade —

RAVENGLEN SALES

A. W. Mathison & Sons, Hebron, Ill. have selected a young son of King Bessie Senator to head their herd, while Fred and Kenneth Overholser of Coleta, Ill., took a son of Dictator Ormsby Oak from a daughter of Senator. Two other recent sales are reported to Club Boy Albert Berkiel of Antioch, Ill., and to Paul E. Lohaus of Burlington, Wis.

"Senator" son purchased by A. W. Mathison & Sons, Hebron, Ill. from Ravenglen.

Son of Dictator Ormsby Oak purchased from Ravenglen by Fred and Kenneth Overholser, Coleta, Ill.

E. E. Schmidt, Schmidt Acres, Moose Lake, Minnesota, sends us a report of recent sales from his herd. Charles E. Palm, Superior, Wisconsin, purchased his third foundation female here to replace grade Holsteins and Guernseys in building up a registered Holstein herd to supply his retail milk route in Superior. This cow was bred to Mr. Schmidt's herd sire, St. L. Silver Perfection. The dam of this bull is one of several Minnesota State record sisters, her figures as a senior three-year-old being 747 lbs. fat, 18,449 lbs. milk, 4.1%. The three nearest dams of this bull carry 4% tests with high production.

Donald Anderson, Carlton, Minnesota, purchased his first foundation female as a start in building up a registered herd. A young bull by the Schmidt herd sire was selected by Vincent Misukanis, Sturgeon Lake, Minnesota.

Mr. Schmidt mentions that he has thirteen daughters now from his herd sire and he is really counting on them to do great things when they get into production. He mentions that he has now passed his twenty-fifth year as a life member of the Holstein-Friesian Association of America, having joined in 1924. We are always glad to have news from the herds.

TAKE PART IN A BREED-PROMOTIONAL SALE OF THE HIGHEST CALIBRE

★

Top Consignments Wanted

For the 1950

"Top-of-the-Crop" Sale

★

Mon., May 1—Oconomowoc, Wis.

In a Brand New Sale Setting At

PABST FARMS

★

60 Top-of-the-Breed Holsteins

50 Females — 10 Males

★

Please Read — and Write Now

In accepting the invitation of **Mr. Fred Pabst** to hold the **Top-of-the-Crop Sale** at beautiful **Pabst Farms** on Monday, May 1, 1950, we have committed ourselves to the holding of a Breed Promotional sale befitting the gracious host and his great breeding establishment.

Only 60 head will be taken for consignment, and they will all be "Tops of the Breed"; 50 Females and 10 Males. The sale is not "invitational" in character, and is open to all breeders on the continent, who see advantage to the Breed, and to themselves, as breeders, in cooperating with consignment of Holsteins of the highest calibre. No preference will be shown any particular bloodline, either in the advertising, or in conduct of the sale.

We already have consignments offered from leading breeders, east, west, north and south, including several animals of sensational character . . . The itineraries for the inspection trips (starting soon after January 1st) are now forming. **If you have interest in consigning, please so advise, even if at this writing you are not in position to name the animals that you wish to represent you in this Breed-Promotional event.**

Correspondence Invited

A. W. PETERSEN, Sale Mgr., Oconomowoc, Wis.

Offering Several Foundation Heifer Calves

Rich in the Blood of Montvic Chieftain 7th

Out of such dams as this:

KNOLLWOOD RAG APPLE JOY
A 4.4% daughter of "Chieftain 7th"

We have had a favorable run of heifer calves in recent months and, therefore, with freshenings due this winter we will have more than necessary to develop our breeding program. This is your good fortune (as well as ours) because it makes available some of our "Chieftain 7th" blood for foundation purposes, as so many have desired.

During December and January several "Chieftain 7th" daughters (such as Joy pictured above) and granddaughters are due by the service of one of our Junior Sires. These dams have records ranging from 500 to 700 fat with test from 3.9% to 4.4%. Their calves (whether bull or heifer) will be for sale, along with one or two older heifer calves, all priced reasonably.

A wonderful opportunity to establish "Chieftain 7th" blood as a foundation in your herd at a reasonable price.

KNOLLWOOD FARMS

(10 miles east of Rochester, Corner of Monroe-Wayne County Line Road and New York State Route No. 286)

DANIEL I. MAYNE, Owner **R. D. 1** **Fairport, N. Y.**

Get A Son of PABST DEAN

Our Son of PABST ROAMER
from
MOONLIT DALE JESSIE FOBES 2D
4y 3X ..... 823 F. 3.7% 22352 M.

"Dean's" dam is a maternal sister to Moonlit Dale Jessie Fobes, 730-lb. 3.8% dam of Pabst Jess, junior sire at Pabst Farms. The next dam, Moonlit Dale Jessie Burke Fobes, has 728 lbs. fat, and she has another daughter with 802 lbs. fat, 3.6%. It's an outstanding family in every respect and you'll like the "Sir Bess dams behind our young sons of PABST DEAN. Write us today for information.

MOONLIT DALE DAIRY FARM

ARCHIE SCHURZ **BRIDGEPORT, WISCONSIN**

INDIANA FALL SALE

(Catalog Summary)

35 Females over 2 years	$15,020.00	429.14
13 Calves under 3 mos.	1,025.00	78.85
3 Bred Heifers	935.00	311.66
7 Bulls	1,090.00	155.71
58	$18,070.00	$400.15

The Indiana Fall Sale held at Lafayette Fairgrounds October 29, 1949 proved to be one of the best ever held in Indiana, with 58 head selling for an average of $400.15.

Five hundred buyers were present from several states, but all cattle except one were taken from Indiana breeders. Many of the cattle went to scattered parts of southern Indiana, where Holsteins are getting more popular daily.

High animal of the sale was Ball Farm Lochinvar Della Lady, consigned by Edgar Ball of Elwood, Indiana and purchased by Charles Tonagel of Valparaiso, Indiana for $625.00. Her baby son went to G. Roger Sugart, Marion, Indiana for $300.000

Heaviest purchaser of the sale was Roy Friedle, Evansville, who is starting a great herd of Holsteins at his farm in Newburgh. Mr. Friedle purchased seven head plus one baby calf for $3090.

The 4-H and F.F.A. Sale was held in the morning. Twenty-four head of calves were sold for an average of $148.54.

The calf consigned by Birk and Layer of Mishawaka was high individual being purchased by Freddie Fry of Camden, Indiana for $235.00.

Purchasers of animals over $500.

Charles Tonagel, Valparaiso
Ball Farm Lochinvar Della Lady $625
Edgar Ball, Elwood
William Robinson, Winchester
Beverly Model Helen 610
Marbro Farms, Rushville, Indiana
Huckins Acres Director Jonnie May 610
Accoe & Huckins, South Bend
Millard Stookey & Son, Milford
Stookeyholm Bessie Fobes Posch 600
Kalb & Roth, Goshen
R. A. Hood, Yorktown, Indiana
Stookeyholm Man Deen Nora 500
Millard Stookey & Son, Milford
Milford X Ollie Belmont Jessie 500
Reinder Van Til, Highland

Other buyers: William H. Carter, Frankfort; Byron Collier, Wilkinson; Orville Etiner, Royal Center; Clarence Schmidt, Evansville; G. Roger Sugart, Marion; Robert R. Neivens, Niles, Michigan; John Ummel, Elkhart; Leonard Hibschman, Syracuse; Ivan Meeker, Burnettsville; James E. Smith, Noblesville; Haskell Bros., Idaville; Edward S. Shildmierer, Indianapolis; Walker & Son, New Augusta; Willis M. Hochstadler, Kokomo; Claud Wiley, Lebanon; R. L. & E. G. Delp, Marshall; Ralph Molott, Jonesboro; Leeland Osborn, Warsaw; Freddie & Janet Fry, Camden; Jerald Duane Perkins, Hudson; Philip Van Den Bosch, Mooresville; Garry Bucher, Medaryville; Arthur Meeker, Burnettsville; Edwin A. Moll, Evansville; Robert Binhnck, Princeton; Vernon Pherson, Monticello; Paul Newman, Lafayette; Edward A. Heiera, Crown Point; James Goodwin, Attica; William Walker, Zionsville; Gerald Mennen, Lafayette; Merle Pherson, Monticello; Carolyn Jay Friedle, Evansville; Roy A. Friedle, Newburgh; Fred Buzzaird, Crawfordsville; H. Manson Bullland, Crawfordsville; Warren H. Bullock, Pendleton; Leo Powers, Pleasant Lake and Earl Zimmerman, Rockdale, Indiana.

Statistical information and report from Earl Martl, Sec'y., Indiana Holstein-Friesian Ass'n., LaCrosse.

The Royal Winter Fair—

(Continued from page 21)

Fall River, Wis.; 7. M. G. Sovereign Ormsby 199679, F. Pelletterio, Milton, Ont.

3-Year-Old Bull (3)

1. Spring Farm Sovereign Supreme 193120, J. M. Fraser; 2. Rembco Texal Sovereign 192634, Geo. W. Henry, Geo. C. Jackson & Whittaker Bros., Todmorden, Ont.; 3. Glenafton Rag Apple Tradition 193124, E. S. Eby & J. J. E. McCague.

4-Year-Old Bull (6)

1. Baralee Pabst Rag Apple Sovereign 181270, Weaver Bros. & Geo. S. Elliott & Sons, Belmont, Ont.; 2. Colony Netherland Perfection 36th 153547, J. Grauer & Son, Eburne, B. C.; 3. Elmcroft Sceptre 186376, G. R. McLaughlin and F. D. Reid, Oshawa, Ont.; 4. Montview Rag Apple Ajax 182787, Ottawa District Holstein Bull Ass'n.; 5. Rowsdale Rag Apple Sovereign 17955, C. J. Cerswell; 6. Colony Netherland Perfection 41st 167326, Colony Farm B. C.

Senior and Grand Champion Bull—

Spring Farm Sovereign Supreme 193120, J. M. Fraser

Reserve Senior and Reserve Champion

Baralee Pabst Rag Apple Sovereign 181270, Weaver Bros. & George S. Elliott & Sons.

Junior Champion Bull

Rockwood Rocket Tone 205523, H. Houltmann.

Reserve Junior Champion Bull

Pabst Sir Roburke Rag Apple 1024453 Cornell Farm, Neillewood Farm and Mooseheart Farms

Aged Cow, not in milk (13)

1. Elmcroft Dewdrop M 533549, G. R. McLaughlin, Oshawa, Ont.; 2. Lauroe Anna Geraldine 2343394, Elmwood Farms, Lake Forest, Ill.; 3. Glenvue Nettie Jemima 54700, Rosafe Farms; 4. Glenafton Laurel Malde B 579984, J. J. E. McCague; 5. Elmcroft Colantha Rose M. 581693, G. R. McLaughlin; 6. Credholme Mary Supreme 479340, J. M. Fraser; 7. Princess Georgie Aaggie 608850, W. Wood, New Westminster, B. C.; 8. Little Rock Pabst Colantha 434406, J. J. E. McCague; 9. Elmcroft Ethel R. Triune 553828, G. R. McLaughlin; 10. Forth Lyne Rag Apple Supreme Patsy 490671, F. H. Caldwell, Carp, Ont.

4-Year-Old Cow, not in milk (7)

1. Elmcroft Queen R. Triune 624772, George R. McLaughlin; 2. Glenafton Laurel Colleen 638857, J. J. E. McCague; 3. Entervale Pietje Jo. 662772, Edwin S. Eby; 4. Grace Pabst Showdown 646230, R. C. Packham, Stratford, Ont.; 5. Evermot Pathfinder Ormsby 638214, J. M. Fraser; 6. Eunice Pathfinder Dewdrop 646696, J. P. Davidson, Listowel, Ont.; 7. Bond Haven Rag Apple Mona 638691, C. J. Cerswell.

3-Year-Old Cow, not in milk (9)

1. Elmcroft Olga 673894, George R. McLaughlin; 2. Bond Haven B. Supreme Sovereign 674154, C. J. Cerswell; 3. Bond Haven Sovereign Queen 671560, C. J. Cerswell; 4. Glenafton Laurel Bonheur 678140, J. J. E. McCague; 5. Betty Sovereign 669482, J. D. Innes; 6. Agassiz Walula Johan 690307, Dominion Experimental Farm, Agassiz, B. C.; 7. Norval Ajax Ada 681729, J. M. Fraser; 8. Ashville Rag Apple Gem 672215, F. Pelleterio; 9. Glenhilda Inka Supreme 668205, Eric L. Merrill.

2-Year-Old Heifer, not in milk (10)

1. Woodland Challenger Aaggie 734615, Hardy Shore, Glanworth, Ont.; 2. Illehee Lois 722009, J. M. Fraser; 3. Fraeholm Francy 710687, G. W. Fraser, Streetsville, Ont.; 4. Highcrest New Year Babe 722801, R. C. Briggs, South Edmonton, Alta.; 5. Joy Pathfinder Again 715321, J. P. Davidson; 6. Rag Apple Segis Sue 716120, Elva Vine & Sons; 7. Spring Farm Barbara, J. M. Fraser; 8. Oxford Paula Beauty 751151, Oxford County Home; 9. Norsdale Governess Hartog 725641, Roy C. Warwick, Blenheim, Ont.; 10. Nancy Pietje Rag Apple Plus 715072, O. Chambers.

Senior Yearling Heifer, dry or in milk (22)

1. Baker Montvic Cavalier Nig 757486, Leo A. Baker & Sons, Lambeth, Ont.; 2. Hilldix Sovereign Kay 764147, Dixon Fraser, Brampton, Ont.; 3. Colony Poetess Ena 757099, Colony Farm; 4. Spring Farm Sovereign Jewel 761809, J. M. Fraser; 5. Glenafton L. Holly Nancy 755525, J. J. E. McCague; 6. Ida Aaggie C. 760096, Hardy Shore; 7. Ellehee Sovereign Jean 781450 W. D. Fraser; 8. Bond Haven Rag Apple Lucy 754392, C. J. Cerswell; 9. Elmcroft Sylvia Colantha M. 755580, George R. McLaughlin; 10. Fraeholm Sovereign Belle 765054, G. W. Fraser.

Junior Yearling Heifer (23)

1. Glenafton L. Holly Dutchland 771468, J. J. E. McCague; 2. Smithcroft Souvenir Sue 787316, Gordon W. Smith, Milverton, Ont.; 3. Seiling Sovereign Pietje 774455, A. Seiling; 4. Westmount Molly Sovereign 779639, J. D. Innes; 5. Spring Farm Myrtle Supreme 795384, J. M. Fraser; 6. Millers Grand Apple Belle 3021639, Elmwood Farms; 7. Skokie Supreme Princess Vera 2926195, Elmwood Farms; 8. Historian Posch Rag Apple May 776351, Glencloskey Farm; 9. A. B. C. Inka B. Sovereign 778242, Rosafe Farms; 10. Stonetown Souvenir Annie 787588, David R. Stevens.

Senior Heifer Calf (30)

1. Seiling Abegweit Belt 798149, A. Seiling; 2. Seiling Abegweit Spot 798-150, A. Seiling; 3. Shore Fayne Rockette 806293, Hardy Shore; 4. Dunlea Montvic Mercedes 808773, Edwin S. Eby; 5. Spring Farm Echo Supreme 805218, J. M. Fraser; 6. Skokie Princess Lill 2980604, Elmwood Farms; 7. Glenafton Holly Milady Patsy 800559, J. J. E. McCague; 8. Spring Farm Bearli Supreme 812114, J. M. Fraser; 9. Hillvale Pabst Mary 809600, R. H. Shore; 10. Illehee Rose 816601, W. D. Fraser.

Junior Heifer Calf (19)

1. Glenafton Enchantress Vee B. 820763, J. J. E. McCague; 2. Logie Brae Lochinvar Beauty 823244, Roy C. Warwick; 3. Spring Farm Mabel Supreme 818272, J. M. Fraser; 4. Bond Haven R. A. Rosalie, C. J. Cerswell; 5. Spring Farm Bell Supreme 818271, J. M. Fraser; 6. Elmcroft Alcartra M. Triune 823806, George R. McLaughlin; 7. Fraeholm Belle Sovereign 825398, G. W. Fraser; 8. Colony Vale Colantha Ena 817603, Colony Farm, B. C.; 9. Carnacrer Lyla 817744, Elmer Carney, Georgetown, Ont.; 10. Bond Haven Sovereign Judy, C. J. Cerswell.

Junior Champion Female

Baker Montvic Cavalier Nig 757486, Leo A. Baker & Sons.

The Jonabell Herd

The Utmost in Quality Holsteins

This is Little Marigold

JONABELL MARIGOLD
Daughter of Ivy Bower Marigold by Jonabell Commando

JONABELL MARIGOLD has already given us three daughters by Solid Gold, born June 8, 1947, July 1, 1948 and August 25, 1949, respectively. She made good records as a junior two-year-old and a junior three-year-old and was only 4 years 7 months of age when she dropped her third calf. She is making the best record of her career this year, milking between 50 and 60 lbs. a day.

Her oldest daughter, Jonabell Satin, fresh in September, has milked up to 42 lbs. of 4% milk a day on 2X. Her second daughter is just coming of breeding age and her third is a baby.

Jonabell Marigold is one of five daughters of Ivy Bower Marigold still at Jonabell. The others are Diana, Cinderella and All Gold, who have been pictured and described in recent advertisements. Her youngest daughter, Bewitch, by Solid Gold, is an April yearling, bred to Jonabell Sculptor, our son of Solid Gold and First Lady.

John A. Bell, Jr. OLIVER BLDG. PITTSBURGH, PA.

JONABELL IS LOCATED NEAR SEWICKLEY, PA.

Reserve Junior Champion Female

Hilldix Sovereign Kay 764147, Dixon Fraser

Aged Cow, in milk (17)

1. Spring Farm Juliette 585936, J. M. Fraser; 2. Glenafton Laurel Colantha 583808, J. J. E. McCague; 3. Colony Pearl Vrouka Countess 587642, Colony Farm, B. C.; 4. Frasea Lady Perfection Wayne 577542, J. Grauer & Son; 5. Llewxom Bessie Wayne 549301, Weaver Bros. & Max H. Everett, Belmont, & Simcoe, Ont.; 6. Eveermot Beauty Segis 582909, J. M. Fraser; 7. Illehee Jen 579616, J. M. Fraser; 8. Empress Meg Posch 546808, J. J. E. McCague; 9. Glenafton Laurel Sylvia 547717, J. J. E. McCague; 10 Colpitts Tidy Korndyke 383481, Pickard & Clark, Carstairs, Ont.

4-Year-Old Cow, in milk (9)

1. Korndyke Francy Jemima 628076, Dixon Fraser; 2. Glenafton Laurel Nancy 638856, J. J. E. McCague; 3. Clontnacally Princess Posch 633300, Wilfred James; 4. Posch Mayhew 656-779, Elva Vine & Son, Listowel, Ont.; 5. Elmcraft Sparkling Dewdrop 631447, George R. McLaughlin; 6. Maple Lea Governor Jane 657190, Lorne B. Reid & Son, Ripley, Ont.; 7. Bond Haven Rag Apple Sylvia 626618, C. J. Cerswell; 8. Agassiz Perfection Hartog Vale 629726, Dominion Experimental Farm, Agassiz, B. C.; 9. Bitsy De Boer Pontiac 629269, Pickard & Clark.

3-Year-Old Cow, in milk (10)

1. Lady Rag Apple Ann 681627, Wilfred James, Sarnia, Ont.; 2. Maple Lea Governor Pansy 664409, Lorne B. Reid & Son; 3. Colony Fayne Perfection 664869, Colony Farm, B. C.; 4. Cherry Crest Joan 667649, M. L. Johnston, Leonard, Ont.; 5. Spring Farm Segis 676316, J. M. Fraser; 6. Maple Lea Governor Jessie 661270, Lorne B. Reid & Son; 7. Maple Lea L. G. Rosine 675-902, Lorne B. Reid & Son; 8. Elmcroft Sylvia Monogram 690786, George R. McLaughlin; 9. Bond Haven Sovereign Calamity 678967, C. J. Cerswell; 10. C. R. Tidy Korndyke Hengerveld 687949, Pickard & Clark.

2-Year-Old Heifer, in milk (21)

1. Seiling Princess Pet 705534, A. Seiling; 2. Laurel Schuiling 2819193, Elmwood Farms; 3. A. B. C. Sovereign 745779, Rosafe Farms; 4. Spring Farm Juliana 739786, J. M. Fraser; 5. Glenafton Laurel Tensen 706843, J. J. E. McCague; 6. Maple Lea Colantha Jennie 711111, Lorne B. Reid & Son; 7. Bond Haven Rag Apple Bessie 749145, C. J. Cerswell; 8. Seiling Princess Pietje 712999, A. Seiling; 9. Colony Miranda Ena 727927, Colony Farm, B. C.; 10. Spring Farm Christmas Bell 721193, J. M. Fraser.

Senior and Grand Champion Female

Spring Farm Juliette 585936, J. M. Fraser

Reserve Senior and Reserve Grand Champion Female

Elmcroft Dewdrop M. 533549, G. R. McLaughlin.

Dairy Herd

1. J. J. E. McCague; 2. J. M. Fraser; 3. George R. McLaughlin; 4. Lorne B. Reid & Son; 5. C. J. Cerswell.

Senior Get of Sire

1. Get of Montvic Rag Apple Marksman 137532, J. J. E. McCague; 2. Get of Illehee Montvic Segis, J. M. Fraser; 3. Get of Montvic Monogram 122443, George R. McLaughlin; 4. Get of Seiling Pat King 165178, A. Seiling; 5. Get of Montvic Rag Apple Triune 127371, George R. McLaughlin; 6. Get of College View Governor 132854, Lorne B. Reid & Son; 7. Get of Spring Farm Lochinvar 157880, J. M. Fraser.

Graded Herd

1. J. M. Fraser; 2. J. J. E. McCague; 3. George R. McLaughlin; 4. Rosafe Farms; 5. Colony Farm, B. C.; 6. Roy C. Warwick; 7. C. J. Cerswell.

Junior Herd

1. J. J. E. McCague; 2. J. M. Fraser; 3. Colony Farm, B. C.; 4. C. J. Cerswell; 5. George R. McLaughlin; 6. J. D. Innes.

Junior Get of Sire

1. Get of Montvic Rag Apple Marksman 137532, J. J. E. McCague; 2. Get of Spring Farm Sovereign Supreme 193120, J. M. Fraser; 3. Get of Spring Farm Sovereign Supreme 193120; 4. Get of Montvic Rag Apple Sovereign 155159; 5. Get of Rag Apple Talisman 191881, J. J. E. McCague; 6. Get of Sky Rockwood 194262, Pickard & Clark; 7. Get of Montvic Monogram 122443, George R. McLaughlin; 8. Get of Colony Vrouka Sir Hagersveld 34th 178699, Colony Farm, B. C.; 9. Get of Montvic Rag Apple Marksman 137532, C. J. Cerswell; 10. Get of Sonniwilk Sovereign Souvenir 197105, J. P. Davidson.

Produce of Dam

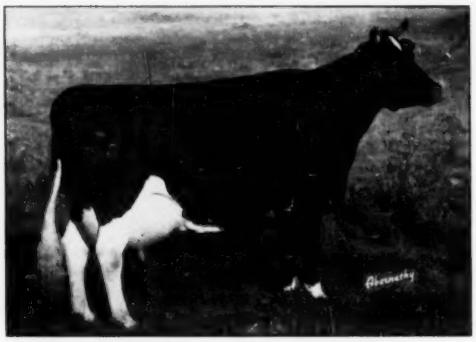
1. Produce of Little Rock Pabst Colantha 434406, J. J. E. McCague; 2. Produce of Spring Farm Jewel 482464, J. M. Fraser; 3. Produce of Abegweit Lochie 582307, A. Seiling; 4. Produce of Maple Lea Mercena Colantha Sylvia 482777, Lorne B. Reid & Son; 5. Produce of Nancy Bonheur Kerk 538811, J. J. E. McCague; 6. Produce of Colony Vale 286837, Colony Farm, B. C.; 7. Produce of Rose Vuman Pabst 473006, C. J. Cerswell; 8. Produce of Elmcroft Dewdrop M. 533549, George R. McLaughlin; 9. Produce of Elm Sylvia Colantha 323061, George R. McLaughlin; 10. Produce of C. V. Betty Pietje Darkness 609649, J. D. Innes.

Breeder's Herd

1. J. J. E. McCague; 2. J. M. Fraser; 3. Colony Farm, B. C.; 4. George R. McLaughlin; 5. C. J. Cerswell.

A New View of "Triune"

(Taken following her recent freshening)



RAVENGLEN SENATORA TRIUNE

879.3 Lbs. Fat, at 4½y, 4.5%, (C.C. 240d)
Grand Champion and Best Uddered Cow at Kentucky State Fair, 3rd at the International, 8th at Waterloo (all before she freshened shortly after the International).

IT'S A TRULY GREAT FAMILY!

It goes back to the beginning of the noted Konop herd in Wisconsin to one of their original foundation cows, Princess of Maple Lane 4th (born in 1918). She had two daughters by a son of Pride of Sir Piets. The better of these two, with 745 lbs. fat, had two daughters by a high index proven son of Admiral Ormsby Fobes. The better one of these (two records over 650 lbs.), was the dam of Ormsby Triune Princess (E), whose 6 AR records average 531 lbs. fat, 3.8%. She is the dam of Ormsby Triune Princess 3rd, 637.9 lbs. fat, and Ravenglen Princess Triune Creator (VG), 794 lbs. fat, 4.3%, our 1st prize produce of dam at Waterloo, the International and Iowa. Ravenglen Senatora Triune (above) a consistent money winner throughout the circuit, showing stale, is the daughter of Ravenglen Princess Triune Creator. Her son and her full brother are two of our leading herd sires.

RAVENGLEN FARMS
Antioch, Illinois
E. H. RAVENSCROFT, Owner

Home of KING BESSIE SENATOR
Six Times All-American

Address Correspondence to
R. A. ARNOLD . . . at the Farm

RALSTON PURINA FELLOWSHIPS

Ralston Purina Company announces continuation of its offering of Research Fellowships for the school year July 1, 1950, to June 30, 1951. The Fellowships amount to $1440 annually and up to seven are offered. Of these, not more than two each are for research in dairy husbandry, animal husbandry and poultry husbandry, and not more than one in the field of veterinary science. Award of the Fellowships is made by a committee of five officially appointed representatives of associations in the fields covered.

Curtiss Candy Master Senator Goes Home!

We are proud to announce that we have recently resold this outstanding young bull back to his breeders, Curtiss Candy Co. Farms, for use in their bull stud. We will continue to use him artificially.

On the 1949 show circuit he was first prize bull calf at Illinois, Indiana and Ohio State Fairs, beating the Waterloo and International winners twice, under two different judges.

His dam, Bellevue Pontiac Rachel (GP), is a double granddaughter of Ormsby Sensation 45th (GM). She made 887.6 lbs., 3.8% at 7y, 696.6 lbs., 3.5% at 4½y; and 603 lbs., 3.8% at 2½y. Her dam, by "45th", made 614.9 lbs., 4.0% at 4y. Her sire's dam, Rolo Pontiac Burke Fayne, made 1190.9 lbs., 4.1% on 3X.

Coming into service in our herd will be the 2-year-old son of Browns Mistress Corrine by Franlo General Montvic Chip purchased at the recent Blue Ribbon Sale.

BREEDING STOCK ALWAYS AVAILABLE

BOTTEMA FARMS

C. M. BOTTEMA, JR. **R. D. 2** **Bridgeport, Ind.**

Foundation Females from THE WAIT FARMS

WE'RE OVER CROWDED AND CAN SPARE A FEW

- **2- and 3-Year-Old Heifers—freshening now ($300.00 and up)**
- **Heifers—now being bred ($250.00 and up)**
- **Heifer Calves ($150.00 and up)**

And, of course, we usually have a few bull calves available—some up to service age. These calves backed by more than thirty years of Wait Farms breeding and sired by one of our sires of Dunloggin, Bell Farm, or Burke blood.

THE WAIT FARMS

J. REYNOLDS WAIT, Owner **77 Genesee St., Auburn, N. Y.**

THIS IS PETE →

His 4 Dtrs. 2½y 12608 M. 424 F.
Their Dams 2½y 11309 M. 367 F.

Difference +1299 M. +57 F.
Actual 305 Day DHIA Records

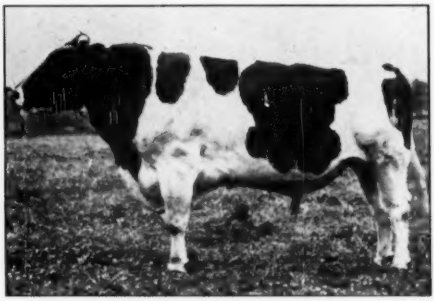
We have used Pete about as much as we can—40 of his daughters are in our herd. In addition to the 4 with records given above, 11 more will finish their first lactations this year—we like the way they are performing!

Pete's Dam

LADY BETH OF WATER FARMS

In her present lactation she has—
220d ..... 635 lbs. fat ..... 16,000 milk

Averaging a 4% test, she is still making 60 lbs. fat a month. She is a daughter of Fairview Montvic Chieftain.



PETER MONTVIC POSCH 872412
a son of
DUKE WILSON POSCH
who is by
General Posch
and out of
Sabra Colantha Posch
(958 lbs. fat)

Duke Wilson Posch's highest record daughter, with 806 fat, 3X, 4.1%, is at Butterfly Farms.

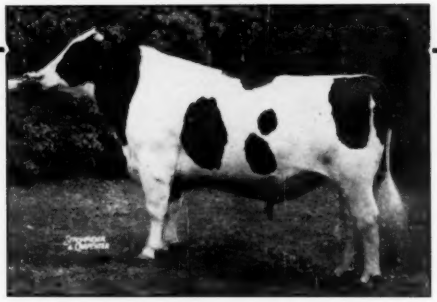
FERNBROOK FARM

Accredited **Wappingers Falls, N. Y.** Approved

L. H. & C. H. SWENSON, Jr.

DUKE

Our Senior Sire



DUKE

Our Senior Sire

MONTVIC RAG APPLE DUKE (XXX)
His first 11 daughters average (actual):
2y 228d 15866 Milk 3.81% 604 Fat
And include the World's Record Jr. 4y 3X milk producer—Regasborne R. A. Governess (VG)—
4y 365d 3X 28486 Milk 3.42% 974 Fat
4y 305d 3X 25795 Milk 3.43% 884 Fat

Duke was Reserve All-Canadian 3-year-old in 1945. So far 5 of his daughters have classified Very Good. His own sire is Montvic Lochinvar and his dam is Montvic Bonheur Emily (*Ex.), former Canadian Champion Jr. 3-year-old with 725 lbs. fat from 17,572 lbs. of 4.13% milk on 3X in 305 days.

Regasborne breeding might be an aid in your own successful breeding program.

REGASBORNE

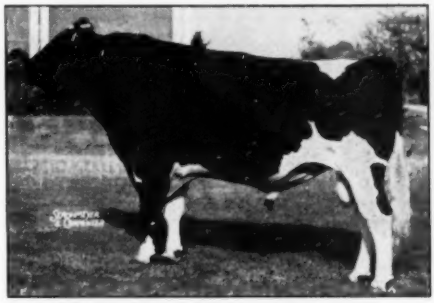
OSBORNE SAGER, Owner ST. GEORGE, ONTARIO

VACCINATED — NEGATIVE — ACCREDITED

Offering a 100,000-lb. Son of Emperor

This September son of Emperor of Mount Victoria is out of Woodruff Abegweit Champion (VG) with the following records:

2y	2X	14,404 Lbs. Milk	465 Lbs. Fat
3y	2X	18,704 Lbs. Milk	685 Lbs. Fat
5y	2X	17,345 Lbs. Milk	574 Lbs. Fat
6y	2X	13,878 Lbs. Milk	447 Lbs. Fat
7y	2X	18,334 Lbs. Milk	660 Lbs. Fat
8y	2X	12,874 Lbs. Milk	427 Lbs. Fat
9y	2X	18,410 Lbs. Milk	667 Lbs. Fat
11y	2X	17,952 Lbs. Milk	659 Lbs. Fat
8 Lact.		131,901 M. 3.5%	4584 Lbs. Fat



EMPEROR OF MOUNT VICTORIA (XX)

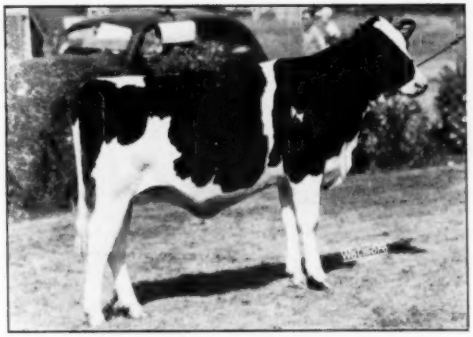
A maternal full sister has just completed a 305-day 2-year-old record of 12,336 lbs. milk, 471 lbs. fat, 3.82%.

A maternal brother has two tested daughters that average at 2 years, 2X milking, 15,661 lbs. milk, 537 lbs. fat, 3.4%.

Pedigrees and further information gladly furnished.

Hawkherst Farm G. E. D. GREENE, Owner Agincourt, Ont.

This Glorious Heifer



LA PRINCESS MARGARET PABST
First at Waterloo.
First heifer calf and junior champion at Indianapolis and at Wisconsin and Michigan State Fairs. Second at Ohio. Sold for $7000.

IS MATERNAL SISTER TO ONE OF OUR HERD SIRES, PATERNAL SISTER TO THE OTHER.

She is from the same dam as

SKOKIE PRINCE

the son of Dunloggin Mistress LaPrincess sired by King Bessie Supreme Again, show son of the 927-lb. Bessie Ormsby Milford.

She is by same sire as--

Jenniton Ormsby Prilly Wayne

his dam, Jenniton Echo Ormsby, a daughter of Sir Piebe Lulu Ormsby with 4 H T records including 672 lbs. fat, 3X, 3.7%.

Write us about a son of either Skokie Prince or of Jenniton Ormsby Prilly Wayne from a high record 2X dam.

JENNITON DAIRY

THEO. N. THOMPSON **BARNEVELD, WISCONSIN**

Mark H. Keeney, Supt. of Dairy, Master Breeder and beloved boss, has passed on to his reward. The Overbrook Herd today is a living monument to his genius, the result of 26 years of untiring effort. His breeding program has always been a longtime project and we, who are left to carry on, have our course, by reason of his planning, all set for us.

At Overbrook

LONG-TIME PRODUCTION–

Over 80 cows have been developed that have exceeded 100,000 lbs., three of these over 220,000 lbs. Bell Farm Suzone has sired 21 100,000-lb. daughters—in fact his top six **average 202,962 lbs.** and three of these are still producing! Five more made over 150,000 lbs.

GOLD MEDAL SIRES–

The following GOLD MEDAL SIRES were bred or developed at Overbrook: King Sweet, Bell Farm Suzone, Suzone Supreme, North Star Jim Dandy, King Dandy Sweet, Dunloggin Design, Sir Lothian Design, Sir Marksman Design and Dandy Conqueror.

PRODUCTION–

Our 16-year Herd Test average on 78 head is 15,007 lbs. milk and 521.6 lbs. fat. December will finish another year with over 500 lbs. 77 classified animals in the herd today average 83.76—none below "Good".

DUNLOGGIN DESIGN–

Dunloggin Design—"Excellent", Gold Medal, Century Sire. Now 13 years of age, still heads our herd and is hale and hearty. He has 12 daughters over 100,000 lbs. with more coming along. 114 2-year-old daughters average 520 lbs. fat, actual records. 52 daughters with 114 records from 600 to 918 lbs. fat average 671 lbs.

DANDY CONQUEROR–

Dandy Conqueror—"Very Good", Gold Medal. Coming 7 years old, he is in heavy service. His first 17 2-year-old daughters average 584 lbs. fat, actual records. His first 6 to complete 3-year-old records average exactly 100 lbs. more fat than as 2-year-olds.

OTHERS–

The daughters of MILKMASTER DESIGN and THE LAIRD OF ESSEX are very promising. Our Future Looks Bright.

Inquiries and Visitors Invited.

Essex County Overbrook Hospital
Art Curren, Supt.
Neil Lepre, Herdsman

OVERBROOK DAIRY
Cedar Grove, New Jersey

Bovine Nutrition—

(Continued on page 23)

animals may be given free choice access to straight bone meal or other suitable phosphate in the case of cattle, or to such a mixture as two parts ground limestone and one part bone meal or comparable phosphate, in the case of hogs. Then, being likewise fed trace minerals in their mixed feed or in their trace-mineralized salt, or by both methods, the animals are well protected so far as the whole chain of minerals is concerned. This procedure then, together with the production of an abundance of leafy green forage for all year consumption and the wise use of farm grains with any necessary supplement feed, makes sure that, insofar as nutrition is concerned, our animals are well fed.

Kansas State Sale and Banquet

(Continued from page 25)

Mott, was M. C. and the program was built around an observance of Mr. Mott's 80th birthday with the presentation of a birthday cake and remarks by J. C. Marlow, Mankato, Minnesota, long time friend of the Motts. Telegrams were read from J. E. Mack, Scott Meyer, John B. Irwin, M. S. Prescott and Jess Johnson of the Cappers Farmer.

At the banquet, announcement was made of the resignation of Fieldman G. Raymond Appleman and he was presented with a beautiful gift of luggage from the Kansas breeders. Music and entertainment completed a fine program.

The 4-H calves at the sale brought an average price of $216 with the top calf from the Mott and Kandt herd selling for $320 to Alice Joe Neel, Windom, Kansas. All of the calves had been born since July 1 and were sold only to Kansas boys and girls.

The sale committee was headed by George E. Stone, Medicine Lodge assisted by Grover G. Meyer, Baschor and Raymond Bollman, Edna, with G. Raymond Appleman helping in the selections. Auctioneer was the popular Bert Powell of Topeka assisted by Charles Cole of Wellington and "Mike" Wilson of the Kansas Farmer. Leadsmen were Dale and Quentin Kubin.

—F.C.B.

The List of buyers follows:

(Continued on page 48)

DIANE TRITOMIA DESIGN 2609003 Topped the Seventh Annual Kansas State Holstein Sale at Herington, Kansas, Nov. 7, 1949, with $1075 paid by Bob Adams, Tulsa, Okla. This four-year-old was consigned by Mott and Kandt, Herington.

Our Golden Family

IS HEADED BY

GOLDEN HILL BURKE BEE
2868931 — "Very Good"

She has a senior 3-year-old A.R. record 365 days of 735.2 fat, 22,423 milk which is the Michigan State Record for both milk and fat. We have her daughter born last Sept., and her son now heads one of southern Michigan's good herds.

Golden Hill Cornucopia Posch—GP, a sister to the above cow, has 579 lbs. fat as a junior 4-year-old, and she has a daughter in our herd, Pietje Cornucopia Posch, GP, with 402 lbs. fat at exactly 2 years.

Golden Hill Posch Echo—VG, another sister has 511 lbs. fat as a senior 2-year-old. We have her bull calf, sired by "Constellation", born in July which **we are offering at a very reasonable price.**

In the Golden family we have all the requirements necessary for founding a great family — high records and good type ancestors, high 2X records and good type themselves and the ability to transmit these characteristics to their offspring. We are proud of the "Golden" cows in our herd. **Please feel free to write or visit us at any time. Perhaps we can help you with your herd problems.**

JUST DROP US A CARD

Green Meadow Farms
Elsie, Michigan

"Where the Latch String Is Always Out"

Back to "Cow Efficiency" -

"Feeds and Feeding" tells us 10-lb. corn and oats, 40-lbs. corn silage and 30-lbs. alfalfa hay supplies the necessary nutrients for a 1600-lb. cow producing 50-lbs. of 3.5 to 4% milk.

We adopted this "basic ration" over 20 years ago and have developed a strain of line-bred Ormsbys that average 1600-lbs. in weight, classify mostly VG and produce 15,000-lbs. of 3.5 to 4% milk and a calf every 12 months. What would these cows produce on 3X milking, 18% protein rations and bred to freshen at 20 month intervals?

Perhaps a bull from one of our great cows and sired by one of the best bulls Clyde Hill can produce, would help you

Ave. Classification Score—84.7%

Roland Ramsay Holstein Farm **Seward, Neb.**

"The Home of Cow Efficiency"

"WORLD" Advertising is Your Best Selling Aid

ONE OF THE GREATEST HERD-SIRE OPPOR

Featuring—

Daughters of Famous Bulls,

Their Daughters by "YANKEE"

Many Bred to the Son of "BURKE"

★ HOWAR

DISP

SELLING

Daughter of "CHIEF"

CRESTON RAG APPLE HAWTHORN
VG at 2 yrs. AR 3X at 2 yrs. 542.6 lbs. fat, 16,569 lbs. milk. Due to "Yankee" before sale. By Mont. RA Chief. Dam, a gr-daut. of Pabst Creator Eyebright 2nd, 812-lb. 3-yr.-old. Daughter by "Yankee" (picture), also sells.

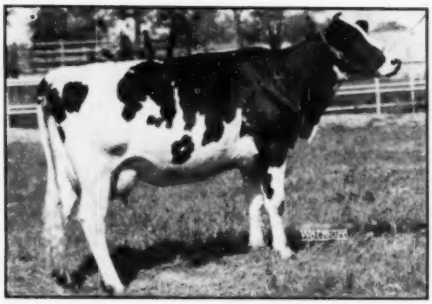
★

They

Sell

★

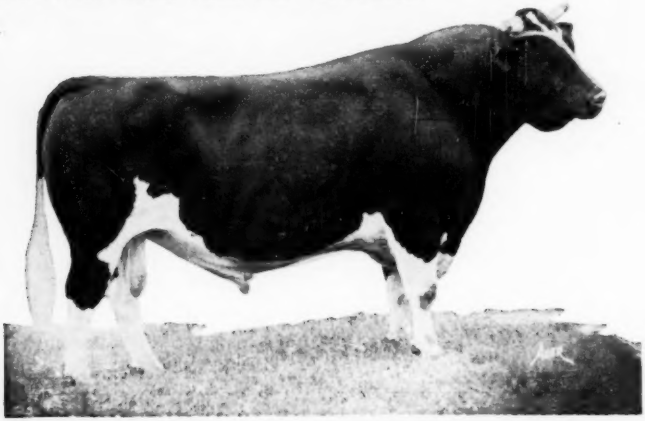
Daughter of "ROAMER"



MEYERDELL ROAMER BURKE
Finishing HIR 2X at 3½ yrs. Has 626 lbs. fat, 3.9% in 327 days, due again in Jan. to "Yankee". An own daughter of Pabst Roamer from Carnation-bred dam. Shown at end of lactation here. Daughter by "Yankee" (picture) also sells.

BOTH HAVE DAUGHTERS, ALSO PICTURED

SERVICE SIRE FOR 30 FEMALES



★ Many Bred to

This Son of "Burke"

PABST BURKE DICTATOR

One of the best-bred sons of "Burke", being out of Pabst Jessie Burke Fobes, 802-lb. 4½-yr.-old, and 2nd prize-winner Wis. State Fair, she by Man-O-War Progressor 24th, from 728-lb. foundation cow of "Jess" family at Pabst-Knutson. First daughter on test class. VG at 2 yrs., has 640 lbs. fat, 4.1%, and promising over 725 lbs. AR 3X as Jr. 2-yr-old. The daughters of "Yankee" are carrying his calves.

NITIES IN THE HISTORY OF THE SALE-RING

STOLLE
RSAL
AUCTION

110 REG. HOLSTEINS

TB and Bang's Tested, Calfhood Vac.

MON. DEC. 12th

Starting 10:30 A. M.

LEBANON, OHIO

At Warren County Fairgrounds

"YANKEE" SELLS!

Also Selling — 45 Daughters — 15 Sons

WINTERTHUR FOBES NEBSKA YANKEE

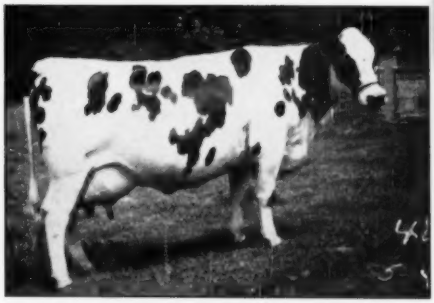
Born June 23, 1943. His famous sire and dam appear below. "Yankee's" older daughters, born at Cooper Farms, were sold into several herds. His first four to be tested have the following—634 lbs., 4%, 306d 3X . . . 546 lbs., 3.7%, 312d 2X . . . 520.0 lbs., 4.1%, 305d 2X . . . 405 lbs., 3.9% 305d 2X . . . see catalogue for complete information. None of his 45 daughters born at the Stolle Farms are old enough to have freshened, but several of the oldest are long-bred to the son of "Burke". "Yankee" is well on the way to becoming a Proven Sire of the first magnitude.

Sire of "YANKEE"

POSCH ORMSBY FOBES 14TH

"Excellent" and Gold Medal Proven Sire. Many times leading Honor List sire. He now has 10 daughters with 2X records from 800 to 980 lbs., with more on the way. Leading herd-sire at Winterthur Farms.

Dam of "YANKEE"



WINTERTHUR NEBSKA GREAT TORIA

AR 814.1 lbs., 4% test. She is one of the four 800-lb. daughters of Winterthur Great Duobess Oria (726 lbs., 4.3%), one of the greatest transmitting families at Winterthur that has already produced three Gold Medal Sires.

Bid Last on—"YANKEE"—A "Coming" Sire

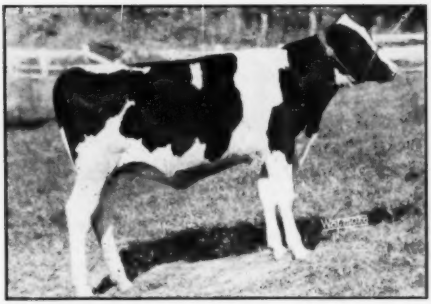
ALL SELLING — The HOWARD STOLLE

★ — A PAGE OF "YANKEES" — ★

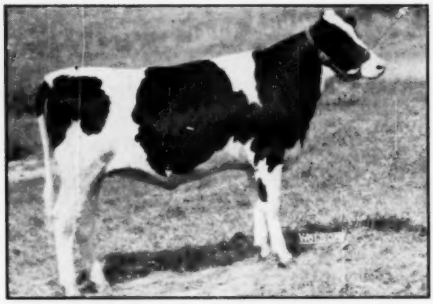
HOWEDAN WINTERTHUR FOBES BURKE
Born Nov. 5, 1948. By Yankee from the lovely 600-lb. daughter of Roamer pictured on first page of this display. Note the close-up Pabst Farms-Winterthur cross.

★

ALL ARE SELLING



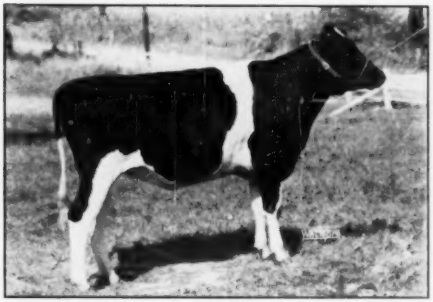
HOWEDAN WINTERTHUR FOBES PABST
Born Nov. 3, 1948. By Yankee, from the VG 542-lb. 2-yr.-old daughter of Montvic R A Chief pictured on first page of this display. Winterthur-Joh R A Pabst and Pabst close up in pedigree.



HOWEDAN WINTERTHUR FOBES MAID
Born Apr. 16, 1948. By "Yankee" from Greyview Blooming Hayslloe — 3X at 2 yrs., 586 lbs. fat. Her dam and full brother also selling.

★

THEY HAVE STYLE and CLASS



SAN MAR GALE WINTERTHUR PABST LADY
Yearling daughter of "Yankee" from San Mar Gale Princess Pabst, HIR 3X at 3 yrs. 511 lbs. fat, 14,094 lbs. milk.

HOWEDAN WINTERTHUR BESS PIEBE
Born Oct. 1, 1947. By "Yankee" from Hawthorn Bessie Beulah, rich in King Bessie breeding. Due soon to Pabst Burke Dictator.

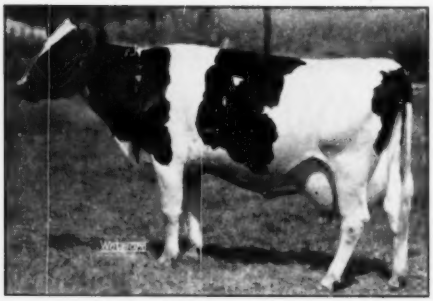
★

HOWEDAN WINTERTHUR M M OLLIE
Yearling daughter of "Yankee", due in January to the son of "Burke". Dam, Milford Ludwig Agnes Ollie, HIR at 2 yrs., 440 lbs. Next dam 808 lbs., by son of Sir Triune Pansy.

45 Daughters of "YANKEE" and 15 Sons — All Selling!

DISPERSAL — The WINTERTHUR-PABST CROSS

More Foundation Females ★

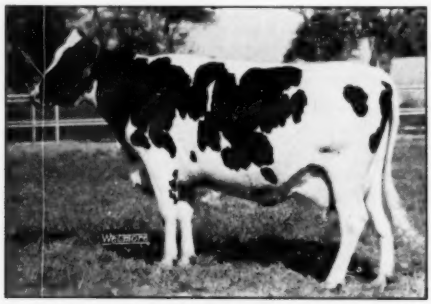


MT. VERNON HOMESTEAD KORA BEULAH
HIR 2X at 4 yrs. 520.1 lbs., 3.6%. One of the tops of the Waugh Dispersal. Sire: Carn. Home. Ormsby King, son of Gov. of Carn. Dam, 526 lbs. Dau. by Yankee also sells.

★

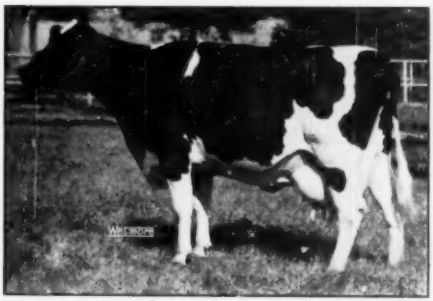
THE TOPS OF MANY SALES

MT. VERNON HOMESTEAD MAIDEN
HIR 2X at 3½ yr. 529.3 lbs. fat. Again on test at 5 yrs. and going at 650-lb. rate, 2X. Another top from the Waugh Dispersal. Bred to son of Burke. Daughter also sells.



ORMSBY BELLE MOOIE MABEL
HIR 2X at 2½ yr. 457.8 lbs. fat, 4%. Again on test at 4 yrs. with 420 fat in 289d. By Dunloggin Designer, full brother to Dunloggin Design. Due in March to son of "Burke".

★



SUNNY SUE MERCEDES R
HIR 3½ yr. 2X 652.8 lbs. fat, 3.8%. Again on HIR 2X with 305.5 lbs. fat in first 149d. By Rowsdale Realization, 711-lb. son of Spring Bank Expectation. A real dairy cow.

JUNIOR HERD-SIRE—SELLING!

The Well Known Bulls

Represented with Daughters in Sale

PABST ROAMER . DUNLOGGIN DESIGNER . CARNATION PERFECTION TRIUMPH . MONTVIC RAG APPLE CHIEF . MAYTAG ORMSBY DICTATOR DEAN . CARNATION MADCAP SUPREME . CARNATION GOVERNOR DICTATOR . SKYLARK PRIDE PERFECTION FOBES . HOESLY JOE WINDSOR HOMESTEAD . POSCH ORMSBY FOBES DEAN . SIR BESS ORMSBY DEAN . MAYTAG ORMSBY FOBES DEAN . MAYTAG ORMSBY FOBES 2ND . MAN-O-WAR COMMANDER . and CARNATION DESIGN.

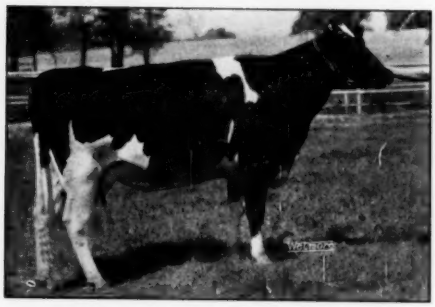
★

HARTWOOD FOND MEMORY BURKE
Born July 14, 1948. By Pabst Bonnie Burke, "Ex" son of Burke, sold for $5,400. His dam: Dunloggin Fond Maid, 689-lb. daughter of Dunloggin Fond Memory. The Pabst-Dunloggin cross.

A RICH OFFERING OF FOUNDATION BLOOD-LINES

The HOWARD STOLLE DISPERSAL

TB AND BLOOD-TESTED — CALFHOOD VACCINATED



HAWKEYE ORMSBY FOBES CONNIE
Now on HIR 2X and starting strong with 81.2 lbs. fat and 1,593 lbs. milk first 31 days. Sire: Maytag Ormsby Fobes 2nd, show son of GM sire. Three daughters also sell.

HOWEDAN CARNATION PONTIAC DEWDROP
HIR 2X at 2 yrs. 449 lbs. fat, 4.1% test. Due in early Dec to Yankee. Sired by a son of Carnation Governor Imperial, All-Am. son of "Governor". A great prospect for development.

OOSTIE JOSEPHINE JOSIE
HIR 2X at 4 yrs. 421 lbs. fat, 4.1% test. By Hoesly Joe Windson Homestead, line-bred NS Joe Home. Due in January to Winterthur Fobes Nebska Yankee.

One Great Big Day

MON. DEC. 12th

Starting Promptly At 10:30 A. M.

Lebanon, Ohio

At Warren County Fairgrounds

110 Registered Holsteins

In founding the herd Mr. Stolle bought the tops of many Dispersals and consignment sales. To head this group of highly select females he selected WINTERTHUR FOBES NEBSKA YANKEE in the dispersal of the Cooper Foundation Herd, where he was used as a Junior Sire. The herd has had HIR development on 2X and 3X, and several have finished with records of 600 to over 700 lbs. on 2X. The entire herd is on 2X HIR, with many fine records in progress. The combining of the Pabst Farms and Winterthur bloodlines, running throughout the herd, offers an exceptional opportunity to the buying public.

Details of Sale—

THE EVENT. Complete dispersal of the Howard Stolle Herd of 110 Registered Holsteins.

THE TIME AND PLACE. Starting promptly at 10:30 A. M., Monday, December 12th, at Warren County Fairgrounds, north city limits of Lebanon, O. Lunch available throughout sale day.

HEADQUARTERS HOTEL. The Golden Lamb, Lebanon, O. Please make early reservations directly with hotel management.

TO REACH LEBANON. Lebanon is on U. S. Highway 42, midway between Cincinnati and Dayton. No direct train service to Lebanon, but Greyhound Bus Lines (Cincinnati to Dayton) maintains excellent every-other-hour service both directions. Bus depot across street from The Golden Lamb.

MAIL, WIRE AND TELEPHONED BIDS. Please secure catalogue for full information on procedure.

THE SALE CATALOGUE will be ready about ten days ahead of sale. Large illustrated book will be distributed free at the sale, or mailed first-class at 50c per copy on request.

Sale Under Management of

A. W. Petersen & Associates

Oconomowoc, Wis.

CONSIDER THESE COWS to Enlarge Your Herd:

ARTMONT INKA CONQUEROR FOBES 2584216
Born Dec. 20, 1944
3y 2X 365d 460.9 lbs. Fat 12903 lbs. Milk 3.5%
4y 2X 270d 426.6 lbs. Fat 11931 lbs. Milk 3.58%

ARTMONT RAG APPLE BESS 2436518
Born Sept. 12, 1943
3y 2X 365d 382.4 lbs. Fat 11313 lbs. Milk 3.38%
4y 2X 335d 383.7 lbs. Fat 10584 lbs. Milk 3.62%

CONNERS POSCH FRIEDVIEW AGATHA 2584242
Born Oct. 1, 1944
3y 2X 365d 409.9 lbs. Fat 11603 lbs. Milk 3.53%

GOOD WILL PABST BELMONT SALLY 2484223
Born June 8, 1944
4y 2X 305d 385 lbs. Fat 7513 lbs. Milk 5.12%

"Merry Christmas to our Friends"

CONNER PRAIRIE FARMS

R. R. 4, Noblesville, Indiana

GOVERNOR DAWN ARTHUR

V. G. — PROVEN

His latest DHIA proving is on 23 pairs. The 23 daughters averaged 515 lbs. fat with a 4% test (10 different herds) — a BIG increase in fat and test. He did a consistently good job under all the varying conditions of the 10 herds in which his daughters were tested.

His two full brothers: Governor Ace Segis (118 F. increase on 8 pairs); and Governor Dawn Actor (101 lbs. increase on 13 pairs).

ASK US ABOUT HIS SONS

KAM LAKE FARM

GILMAN, ILLINOIS

Dr. Karl A. Meyer, Owner — Rob't. E. Meyer, Mgr. — Al Penzenstadler, Herdsman

E'erdowell Farms

Our Herd Sire

GLENAFTON KINSMAN

combines the concentrated blood of Marksman and Chieftain 7th from the highest testing family of the breed.
100% high test and high production.

Cost of artificial service to Kinsman reduced for balance of 1949.

A few baby sons for sale.

RICHARD B. ROSS

Gowanda, New York

Accredited — Vaccinated — Approved

HIS SON FOR SALE

PABST ROAMER INO

Greatness begets greatness — and we predict this splendid son of Pabst Roamer (Ex-GM) will leave his shining mark in the years to come. His young daughters possess extreme dairy, square rumps, and deep bodies — real examples of type.

Boys Town Ino Chuck, born Feb. 8, 1949, is the son we offer out of a King Bessie daughter who is making a good 2X. 1st calf record. Her dam just finished 525.2F, 19,779M, 309d, 2X.

This calf, ET 47XE-1540 is worthy of consideration.

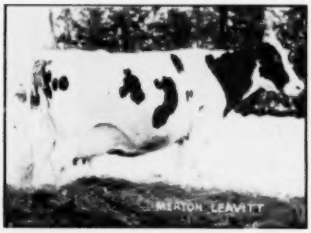
Write today for pedigree and price.

Father Flanagan's Boys Home

Boys Town, Nebraska

BOB STEFFEN, Mgr. DUANE HENRY, Herdsman

Meet "Blanche Direct"



RIVERFLAT BLANCHE DIRECT

Classified Excellent, with Excellent mammary system, both fore and rear udder.

8y	5m	2X	19201	3.8%	733	365d
10y	2m	2X	16620	4.0%	672	306d

"Blanche" is due Dec. 5th to the services of Clyde Hill Elsie Tidy Lad 19th 1010684, (son of Clyde Hill Elsie Tidy Lad, Silver Medal Type Sire, and the Excellent "Polly" cow, daughter of Rock River Hengerveld Al (Gold Medal). "Blanche" has a full sister classified Excellent, with 658 lbs. fat, 3.9% test; also a maternal brother that is a Gold Medal proven sire.

There are 66 members of the "Blanche" family in our herd. Those of milking age helped to give us a classification score of 84.4 points on 51 head on November 15th.

BRIGEEN FARMS

TURNER, MAINE

H. C. BRIGGS & SON

NEW NATIONAL RECORD

We proudly announce that our herd has again topped the nation for long-time production. Our 21-year HIR average tops them all! Our last 10-year average is good, too, 513 lbs. fat.

For the year just closed our **52-cow average** is:

14,067 — 3.9% — 545.2

(46 - 3X, 6 - 2X)

45 were bred and raised at SHAW'S RIDGE, as were 44 of their dams.

Won't you please weigh carefully whether we might be able to help you with your breeding program?

SHAW'S RIDGE FARM

Harold J. Shaw — Sanford, Maine

(We have developed 25 100,000-lb. cows — all except one bred on our farm).

Kansas State Sale and Banquet

(Continued from page 41)

Robert W. Adams, Broken Arrow, Okla. (6)
Diane Tritomia Design (9-45) ... $1075
(Mott and Kandt Whitehall, Herington, Ks.)
White Farms Ollie De Kol (3-45) ... 825
(J. M. White and E. R. Smith, White Farms, Topeka, Ks.)
Beezley Farm Mistress Fannie (5-44) ... 760
(R. C. Beezley & Son, Beezley Farm, Girard, Ks.)
St. Mary's Billy Nancy Skylark (11-46) ... 650
(J. M. White and E. R. Smith)
Queen Ruth Supreme (10-45) ... 600
(Schneider Bros., Salina, Ks.)

W. H. Mott, Herington, Ks. (2)
(M) Thonyma Rag Apple Challenger (1-49) ... 775
(Ernest A. Reed & Sons, Lyons, Ks.)

J. W. Carlin, Salina, Ks.
Heersche General Geniota (1-48) ... 750
(Heersche Bros., Heersche Farm, Mulvane, Ks.)

K. C. Herschell, Oskaloosa, Ks.
Inka Fancy Billy Triune (9-45) ... 675
(P. G. Hiebert, Hillsboro, Ks.)

R. W. Bollman, Edna, Ks.
A B Tidy Lig (10-47) ... 675
(Abram B. Thut, Clearwater, Ks.)

Arthur Jensen, Olathe, Ks.
Texan Magnificent Pontiac Lady (7-47) ... 675
(Raymond W. Bollman, Bollman Holstein Farm, Edna, Ks.)

Leo C. Schneider, Salina, Ks.
Reservoir Cascade Ann (10-47) ... 660
(Bernard G. Fickel, Clay Center, Ks.)

Richard F. Kopper, Ingalls, Ks. (2)
Altenread Whitey Dutchland Canary (1-46) ... 660
(Clyde Altenread, Plainview Farms, Hutchinson, Ks.)

Vernice Hobson, Liberty, Ks.
Betty Pearl Tidy Colantha (2-48) ... 625
(Clarence Hinck, Linn, Ks.)

Will R. Johnson, Skintook, Okla.
Flintstone Rock May (10-47) ... 625
(Martin Blanke, Flintstone Farm Bremen, Ks.)
Zarnowski Tri Burke Betsey (3-46) ... 585
(Jake Zarnowski, Newton, Ks.)
Macksimus Femco Fashionable (11-42) ... 550
(A. F. Miller, Haven, Ks.)
Inka Burke Hengerveld Piebe (10-44) ... 540
(Grover G. Meyer & Sons, Meyer Dairy Farm Co., Basehor, Ks.)
Ada Progressor Pride (10-45) ... 500
(Donald Hopkins, Dondell Holstein Farm, Clearwater, Ks.)
Elmer Brack Lecona Windsor (9-45) ... 500
(E. E. Strickler, Iola, Ks.)
Thonyma Maudlene Piebe ... 500
(Ernest A. Reed & Sons, Lyons, Ks.)

R. S. Lyman, Burrton, Ks.)
(Female born 7-48) ... 600
(R. V. Fickel, Chanute, Ks.)

G. W. & Clem Bassett, Richmond, Tex. (6)
Ackerman Sophia Ormsby (2-42) ... 585
(Albert Ackerman, Sabetha, Ks.)
Korndyke Homestead Mabel Posch (11-47) ... 500
(Mott and Kandt Whitehall, Herington, Ks.)

Alvin Young, Bennington, Ks.
Mt. Joseph Tidy Suzetta (8-46) ... 550
(Schneider Bros.)
Mt. Joseph Tidy Dinvera (9-48) ... 505
(Mt. Joseph Orphan Home, Abilene, Ks.)

Kleysteuber Bros., Garden City, Ks.
(M) Smoky Hill Ormsby Deana Rex (10-48) ... 540
(H. A. Meier, Smoky Hill, Abilene, Ks.)

H. A. Meier, Abilene, Ks.
Enokla Fayna Johana (9-47) ... 525
(Dean Bailey, Pratt, Ks.)

Leo H. Hostetler, Harper, Ks. (3)
Tritomia Diana Whitehall (11-48) ... 525
(Mott and Knadt Whitehall, Herington, Ks.)

Tom Bronston, Kaw City, Okla. (3)
Leohost Vrouka Rose Birdena (11-47) ... 525
(Leo H. Hostetler, Pleasant Valley Holstein Farm, Harper, Ks.)
Leohost Royal Jolly Audrey (10-46) ... 500
(Leo H. Hostetler)

Carl Kennedy, Newton, Ks.
Pennyroyal Daisy Ormsby Pride (10-47) ... 520
(Dean Bailey, Pratt, Ks.)

Jacqueline Patricia Steward, Edmond, Okla.
Onabank Triune Marice (1-49) 515
(Lloyd Shultz, Pretty Prairie, Ks.)
Lambert Young, Haddam, Ks.
Nemaha Ormsby Glen (1-49) .. 500
(Mrs. H. D. Burger & Son, Nemaha Valley Stock Farm, Seneca, Ks.)

Other buyers were Dale B. Van Horn, Wellsville; James Nichols, Mentor; C. C. Shoffner, Kipp; Smithhisler Bros., Danville; G. G. Meyer, Basehor; Walter R. Mc Guire, Pratt; LaVerne F. Modislit, Thayer; George Luginsland, America; G. H. Fauloner, El Dorado; Martin Dickinson, Homewood; Harry Cowman, Lost Springs; Leo H. Kleysteuber, Garden City; Martin Blanke, Bremen, Ks.; John J. Steward, Edmond; and Raymond Kretchman, Medford, Okla.

Statistical data furnished by T. Hobart McVay, Nickerson, Ks.

Royal Notebook—

Probably the most excited person at the ringside other than the Fraser family over the winning of the grand championship by Spring Farm Juliette was Billy King Jr. of Gaithersburg, Md. There at Irvington Farms, W. L. King & Son have had in service for the past two years Illehee Montvic Segis, sire of Juliette, and almost since his birth Juliette's last son, Spring Farm Silver King. He is sired by Elmcroft Voyageur M. son of Monogram from All-American Glenview Noelle Inka.

* * *

There was a good scattering of American visitors at ringside, but we thought not quite as many as last year. Two old-time visitors we particularly noted were Harvey Farrington and Dorr McLaury along with their ladies.

* * *

Mr. and Mrs. Tom Dent were receiving felicitations upon their marriage November 9.

* * *

We were also glad of an opportunity to meet Frank Dolson's bride, the former Georgina Eckles. They were married October 22 and will operate the home place at Brampton.

* * *

Paul Misner was an interested spectator throughout the show. The All-American Nominating Committee consisting of Misner, Dean Kildee, and Judge Raithby met on Friday, following the conclusion of the judging, to select the All-American nominations. The All-Canadian Nominating Committee held their session on Thursday night of show week.

* * *

While there was a scattering of entries from the States, placing as high as second on at least three occasions, everybody kinda missed Henry and Sonny with the Franlo herd. They have been fixtures here at all of the post-war Royals until this year—and they have made their presence felt.

* * *

The Holstein-Friesian Association of Canada was host to the South American visitors at a dinner and social evening on Wednesday night of show week. The Canadian people have a fine sense of hospitality in the entertainment of visitors.

ATTENTION, New Englanders!

We can help you make more money from your herd. But you have to give us the chance to do so. Join our Association ($3.00 for annual membership) and you will get these tangible returns right away:

(1) A year's subscription to Holstein-Friesian World and New England Bulletin. These papers are full of good articles and news. They serve as a sort of "correspondence course" in the Holstein business.

(2) A saving of 50c on every transfer fee, provided you are also a member of the National Association. This saving mounts up fast.

(3) A welcome to join in all the worthwhile activities of a live-wire organization.

Write Today for Information

NEW ENGLAND STATES HOLSTEIN-FRIESIAN ASSOCIATION

360 Worthington St., Springfield 3, Mass.

SIR ORMSBY ALICE

SIR ORMSBY ALICE 815143

He now has 7 daughters with over 600 lbs. fat on 2X, and many other younger daughters that promise to do as well or better as they mature. **His daughters average well over 4% fat** and are very nice type averaging 83.5% classification score. His daughters have won many prizes at fairs, they are fast easy milkers.

Several of his older sons are siring daughters of fine type with good udders and high test. Sir Ormsby Alice is a closebred "45th" bull on his sire's side, being by the great old New Jersey "Jewel Alice" bull and from an Ormsby-bred brood cow with a lifetime record, 2X, of 150,000 lbs., 4.2%.

Several nice type young sons for sale from real good cows. One from a cow with over 100,000 lbs. milk, 3.8%, others with well over 4% averages.

Hartsbrook Farm

E. P. & O. C. WEST, HADLEY, MASS.

A Proved Herd From Proved Sires

HOW ABOUT IT?

Do you want your herd sire to be a son of a GOLD MEDAL — VERY GOOD sire? And with official records on the dam for many generations? Then why not consider a son or grandson of

ROYAL BESS BURKE

Gold Medal — Very Good

We bred and proved ROYAL BESS BURKE in our herd which is Accredited and Certified and has received the Progressive Breeders' Registry Award for two consecutive years.

MAPLE VIEW FARMS

F. J. NUTTER Corinna, Maine

Just as the ribbons were being tied in the junior bull calf class Clair Miller announced that he had purchased the second prize calf from Jack Fraser a few days previous. He is a son of the grand champion bull.

* * *

The delegation from British Columbia was headed by Dr. W. R. Gunn, Livestock Commissioner who had with him former Canadian Association President, W. H. Hicks, Jake Grauer of Fraser Farms, Les Gilmore, McKim Brothers, Bill Woods, also Ralph Rundle who was on his way home from England. Art Hay of Colony had come by plane and planned to return the same way.

Dr. Hector Astengo's farm name, Rosefe, near Brampton is pronounced Rosa-Fay. It is the same name as his South American ranch and it is a combination af a nearby town of Rosario in the province of Santa Fe.

CANADIAN HERD AVERAGES $694

The high producing Holstein herd of Lloyd Turner, Stouffville, **Ontario, was** dispersed October 25 with the exceptionally good average of $694. on 31 head. The entire offering **brought a total of** $21,520.

Buyers were paying a premium on those animals with good individual production records. **Roy C. Warwick, Blenheim**, Ontario, bought the highest record animal DeVries Joan Pabst a seven-year-old with a yearly record of 25,917 lbs. milk, paying $1350 for her. G. E. D. Greene, Agincourt, Ontario, paid a total of $960 for a cow and her calf, the cow having a three-year-old record of 22,229 lbs. milk. Hook & Ginder, Mt. Joy, Penna. paid $900 for a three-year-old with a two-year-old record of 17,499 lbs. milk.

L. S. Bell, Interlaken, N. Y. paid $875 for a four-year-old that as a three-year-old produced 15,481 lbs. milk while Clifford Peever, Renfrew, Ont. bought a three-year-old for $850 that has a two-year-old 305 day production of 15,531 lbs. milk.

Top price for a bred heifer was $750 paid by C. J. Craven, Dresden, Ont. for Shady Valley Royal Pabst.

Two Mexican buyers were present, Alfredo Pino Camara paying $500 for a heifer calf and Adelfa de Ortiz $475 for a three-year-old. Clarence L. Keener, Manheim, Penna., purchased five head, paying $725 for an eight-year-old, $725 for a four-year-old and $525 for a ten-year-old.

Fourteen milking females averaged $706; 5 bred heifers $530; 7 open heifers $332; 2 heifer calves $262 and 3 bulls $361.

Sold at the same time as the Turner herd was the herd of A. E. Currie, Guelph, Ontario. Twenty-four head brought $8,220 for an average of $342. Top price was $825 paid by Lewis S. Bell, Interlaken, N. Y. C. P. Bechtel, Bridgeport, Ontario, paid $700 and Adolphus Dick, Northwood, Ontario, $540.

NEWS FROM DOUGVIC

Douglas Knights, Dougvic Farm, Sandwich, Ill., reports that the herd is up to 75 head again following the sale of the milking members a few years ago. A recent addition was made of a whole herd of 30 head from a neighbor whose last four bulls were bred at Dougvic Farm. Stanley Case is herdsman and Doug expects they will be back in the news again shortly. He mentions two hopeful young herd sires coming along.

NAUGHTY WILLIE

Mother: "Stop using those bad words."

Son: "Shakespeare uses them."

Mother: "Well, don't play with him any more."

At the ROYAL WINTER FAIR . . .
We Were Happy, Too!

When Spring Farm Juliette won the Grand Championship at the recent Royal, we were just about as happy at J. M. Fraser himself . . .

For, we own her sire —

ILLEHEE MONTVIC SEGIS

He has been in service here for 2 years—and we already have 6 daughters and 4 sons—along with 50 cows bred to him. Juliette was not his only good daughter—they won 2nd Prize Get of Sire in really hot competition.

We also own —

SPRING FARM SILVER KING

Last born son of Spring Farm Juliette. He is now approaching 11 months of age. He is sired by **Elmcroft Voyageur M** (son of Montvic Monogram and All-American Glenvue Noelle Inka).

Juliette is promising 800-900 lbs. fat this year on 2X milking. We think her son is quite a prospect in a young bull.

We also look for some great future matings in this family.

Make this your invitation to come and see them.

Irvington Farms

W. L. KING & SON **Gaithersburg, Md.**

Position Wanted

English gentleman, ex-officer Royal Air Force, permanent resident United States, aged 41, married, with small daughter, seeks secure and remunerative position as Administrative Assistant or Private Secretary to American Gentleman located Middle West. Consequent family background leading dairy cattle breeders Scotland, would prefer contact person operating extensively in pedigree dairy cattle and herd improvement. Possess long administrative and accounting experience, widely traveled Own car. Highest references.

G. R. BELL
150-12 85th Avenue,
Jamaica, New York

The Michigan State Herds...

IONIA HOSPITAL	MT. PLEASANT	COLDWATER	CARO
REFORMATORY	MARQUETTE	LAPEER	KALAMAZOO
YPSILANTI	JACKSON	HOWELL	PONTIAC
TRAVERSE CITY			NEWBERRY

The fourteen Michigan State Herds are comprised of approximately 1,340 Registered Holsteins of classification age. The milking herds vary in size from the 40 - 60 cow herds at Ionia, Mt. Pleasant, Marquette, Caro and Coldwater, on up to the over 200 head maintained at Lapeer.

Think of it! Over one thousand milking females and practically all of our own breeding — for the most part by home-bred sires!

And yet, for the month of June, 1949, 1,342 cows averaged 43.8 lbs. of milk per day! And 1,322 cows in our classification program this past spring attained a classiclassification program this past spring attained a classi fication average score of 78.28 points!

THE MICHIGAN STATE HERDS

A. B. CLARK, Co-ordinator, Bureau of Institutional Farms, Dept. of Agr., Lansing, Michigan.

"Bull-of-the-Month" Offer

From WINDY SHADE FARM

WINTERTHUR POSCH ORMSBY FOBES (Gold Medal)

BANCROFT ACRES MABEL SUPREME

Two GOOD Sire Prospects . . . by

WINTERTHUR POSCH ORMSBY FOBES, the Gold Medal Sire used at Pabst Farms this year. You'll hear a lot about "Posch" in the years to come as his offspring mature in some of the country's outstanding herds.

And . . . their dam, BANCROFT ACRES MABEL SUPREME, a lovely uddered cow who combines Marquette breeding with a bit of Montvic added. She made 393 lbs. fat with a 3.8% test in 327 days at 2 years of age, 2X AR. She freshened within 13 months with twin bulls. One is ¾ white, one ¾ black and little to choose between them. They are typical Posch calves and will be ready for service early this spring. The dam is making a much better record this year and maturing nicely.

HERE'S AN OPPORTUNITY TO GET AT A VERY REASONABLE PRICE A SON OF ONE OF THE REALLY OUTSTANDING SIRES ALIVE TODAY.

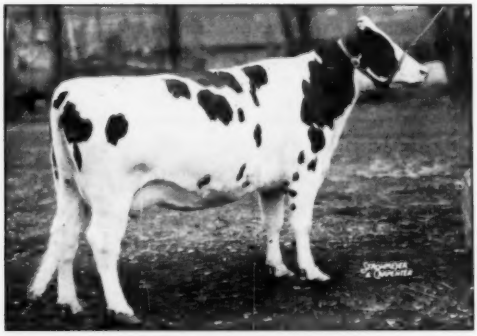
Either calf—$375.00 at our Farm, and included in the price with no extra charge is semen from Winterthur Posch Ormsby Fobes for any one cow you select.

A Page of Royal Senior Female Winners

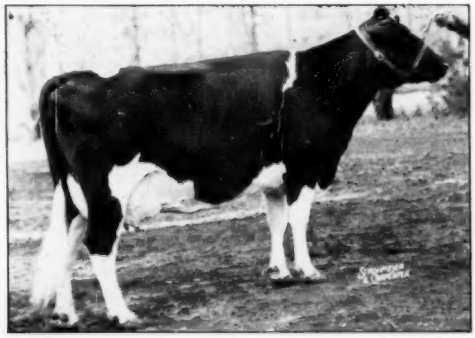
ELMCROFT DEWDROP M 533549C
First prize dry cow and Reserve Senior and Grand and Reserve Grand Champion. G. R. McLaughlin, Elmcroft, Oshawa, Ont.

KORNDYKE FRANCY JEMIMA 628076C
First prize milking 4-year-old. Dam of Reserve Grand Champion Female. Dixon Fraser, Streetsville, Ont.

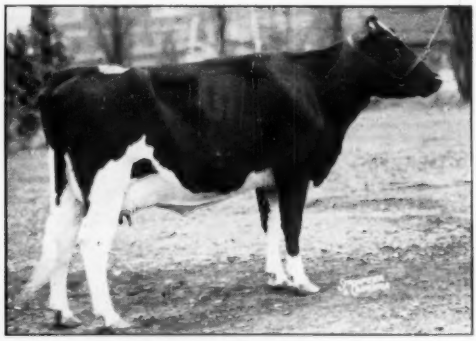
ELMCROFT QUEEN R TRIUNE 624772C
First prize dry 4-year-old. G. R. McLaughlin, Elmcroft, Oshawa, Ont.



ELMCROFT OLGA 673894C
First prize dry 3-year-old. G. R. McLaughlin, Elmcroft, Oshawa, Ont.



GLENAFTON LAUREL COLANTHA 583803C
Best Udder trophy winner, and second prize aged cow. Member winning Produce of Dam. J. J. E. McCague, Alliston, Ont.



SEILING PRINCESS PET 705534C
First prize milking 2-year-old. A. Seiling, Elmira, Ont.

AT THE DAIRY CATTLE CONGRESS:-

"The breed exhibit this year was built around a six-generation group from Clyde Hill Farm. This beautiful group descended from the famous Zuba. It was a striking example of the ideal characteristics of the Holstein cow, both in production and reproduction. It really stopped the crowds for a closer look."

—Holstein-Friesian World, Nov. 5.

- ALWAYS AVAILABLE — A FEW UNUSUALLY DESIRABLE YOUNG HERD SIRE PROSPECTS WITH THE "ZUBA-ROCK" COMBINATION OF BREEDING.

CLYDE HILL FARMS

CLYDE, MISSOURI

This Double Grandson of "Chief"

— HIS DAM —

CRESTON RAG APPLE ISABELLA
Daughter of Montvic Rag Apple Chief
2y 365d 3X 18610 M. 3.3% 611.0 F.
Her dam
3y 365d 2X 18430 M. 3.6% 669.5 F.

Creston Columbus —

BORN JUNE 6, 1949

He is a big deep calf, straight on top, stands well on feet and legs, marked ¾ black.
His 6 nearest dams average: (4 on 2X)

Fat	766.
Milk 3.9%	19673.

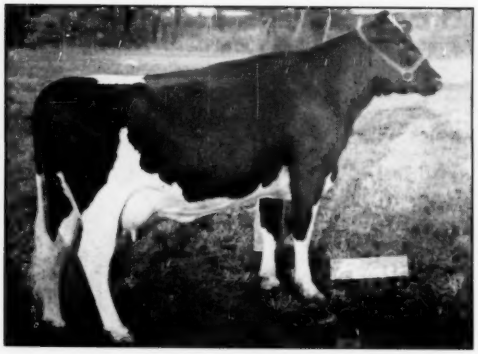
His sire, **Creston Rag Apple Fayne,** our jr. herd sire, who is by Montvic Rag Apple Chief (VG-GM) and from Hillview E H M Fayne, 825-lb. 4% granddaughter of Echo Hartog Mercedes.

Write for complete information.

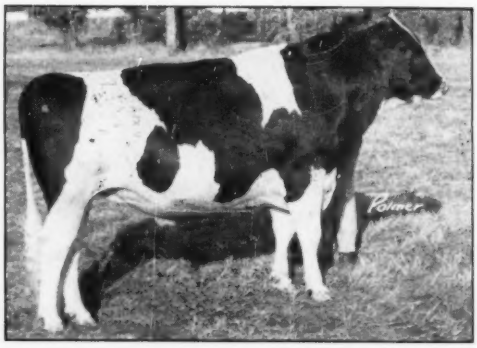
Creston Farms

BUTH BROS., Owners — COMSTOCK PARK, MICH.

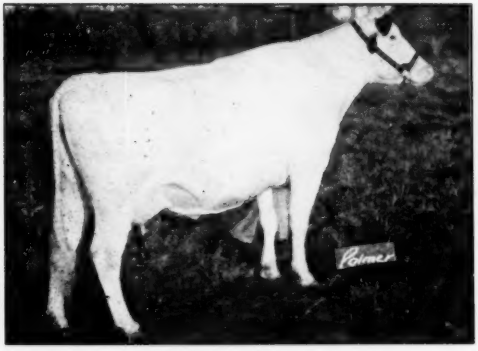
Some Late Show Winners



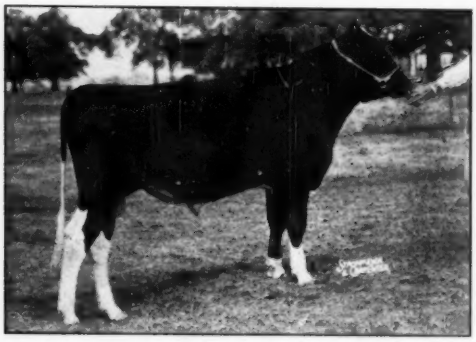
LINMERE HAZEL LOUISE 2809407
First prize 2-year-old at Pacific International; 2d at Oregon State Fair. Lindow Bros., Portland, Ore.



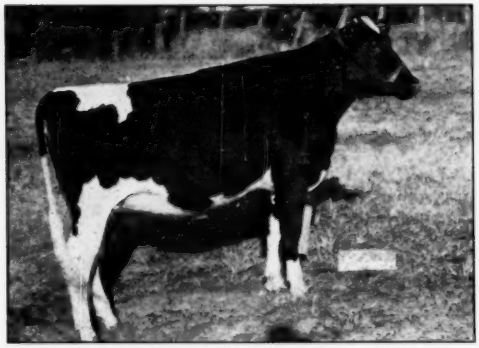
HALLROSE RANGER 998015
First prize 2-year-old and Reserve Grand Champion at Pacific International. Grand Champion at Oregon State Fair. Lindow Bros.



LINMERE HAZEL VANITY 2809405
First prize 2-year-old at Oregon State Fair; 3rd at Pacific International. Lindow Bros., Portland, Ore.



TEXANS PRINCE MAGNIFICENT DUKE 1058660
First prize bull calf State Fair of Texas. The Neale Farms, Waco, Texas.



LINMERE HAZEL BEAUTY 3020459
First prize senior yearling at Oregon State Fair; 10th at Pacific International. Lindow Bros., Portland, Ore.

JUNIOR GET OF CARNATION CREAMELLE SUPERB
First prize at State Fair of Texas. The Neale Farms, Waco, Texas.

NEW BOOKS AND BULLETINS

(Continued from page 27)

Washington 25, D. C. 15c. Available free from the usual sources.

This detailed and technical study attempts to find a correlation between milk production records and the presence or absence of milk veins on the belly and udder and in the size of milk wells. Investigations were inaugurated and carried on under the general direction of R. R. Graves, formerly head of the division, and have been completed by W. W. Swett, Senior Dairy Husbandman, and C. A. Matthews, Dairy Husbandman, of the Bureau.

The authors conclude from their study that the exterior veins carry but a small percentage of the blood which goes to the udder in the production of milk and that the importance of milk veins as an indicator of dairy quality has been overstressed. We still like to see them.

EFFECT OF INBREEDING ON BODY SIZE, ANATOMY, AND PRODUCING CAPACITY OF GRADE HOLSTEIN COWS

Technical Bulletin No. 990. United States Department of Agriculture..

This is a study by Swett, Matthews and Fohrman of the Bureau of Dairy Industry. This study was undertaken in an attempt to measure the differences in animal form and internal anatomy between outbred dairy cows and cows representing various intensities of inbreeding, and if possible to determine the signifi cance of such differences from the standpoint of functional ability. In brief, the observations showed that the highly inbred cows were smaller in size, with lower milk production and even a greater decrease in butterfat production. It appears, however, as we analyze the data, that the inbreeding program was not carried out with the skill or objective of a breeder who knew his materials and was seeking improvement.

YOUR FARM LEASE

Miscellaneous Publication No. 627, United States Department of Agriculture, Revised June, 1949.

This circular discusses some of the considerations in a farm lease and gives standard farm lease forms, which the Department feels can land to better understanding and closer cooperation between land owners and tenants.

DAIRY BREEDING COOPERATIVES, THEIR DEVELOPMENT, PRACTICES AND POLICIES

By Donald E. Hirsch and Irwin R. Hedges, Farm Credit Administration, U.S.D.A. Circular C-133. January, 1949.

This is an excellent summary and outline of cooperative breeding organizations, suggested organizational set-up, sources of capital, operating practices, operating costs, records needed and the importance of human relations. A very good source of information for groups planning work in this field.

Our Future Is Here!

GLENAFTON RAG APPLE ALADDIN (Born Dec. 21, 1945)

A son of "Marksman" from one of the very greatest cow families at Glenafton, the *Excellent, twice All-Canadian, Glenafton Brownie P.M.P. Acme, with two 700-lb records. He is a full brother to the $17,600 "Brownie" cow that is owned by Cashman Farm.

ELMCROFT RAG APPLE CHAMPION (Born May 21, 1946)

He is by our All-Canadian son of Montvic Monogram (XXX-Extra-Century Sire), Elmcroft Sylv-O-Gram, whose dam is a 1038-lb fat daughter of Montvic Colanthus Abbekerk. His dam is the *Excellent full sister to Montvic Lochinvar, Montvic Abbekerk Jewel. She has the following records:

2y	365d	3X	17413	M.	3.47%	604	F.
3y	305d	3X	18163	M.	3.50%	635	F.
3y	365d	3X	18217	M.	3.50%	637	F.
5y	365d	3X	27766	M.	3.67%	1019	F.
7y	365d	3X	26345	M.	3.52%	927	F.

"Champion's" full brother, Elmcroft Heritage, sold for $9,400 in the 1948 All-Canadian Sale. His three-quarter sister made 772 lbs. fat, 4.26% as a 2-yr.-old. His maternal sister made 829 lbs., 3.87% as a 4-yr.-old.

ASK ABOUT SONS OF THESE TWO JUNIOR SIRES

ELMCROFT FARMS

Fully Accredited — Federally Listed

OSHAWA, ONTARIO

G. R. McLAUGHLIN, Owner-Manager **HAROLD JEBSON, Herdsman**

Both at Elm Lane

"GEORGE" **"GEORGE 2nd"**

KYLAND FOBES BURKE
One of the greatest sons of Burke—his proving, 116 lbs. increase (HIR) —6 pairs.
His dam, Wisconsin's Leading Lady, Alverna Fobes Segis Burke with 1114.2 lbs. F., 4.1%, 3X.

KYLAND FOBES BURKE 2D (VG)
His dam, Kyland Admiral Beulah.
Fat 365d 4½y 3X 801.0
Fat 305d 4½y 3X 778.0
(2nd high in Wisconsin)
Fat 365d 2½y 3X 671.4
Fat 305d 2½y 3X 604.5
(3rd on Honor List)

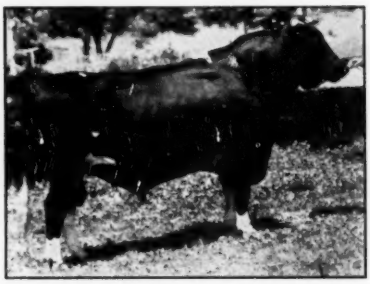
Our herd of 42 head was recently classified with an average of 81.1 points. We have sons of "George 2nd" available and are in a position to offer artificial services of both "George" and "George 2nd". Write for particulars.

ELM LANE FARM

ALMA CENTER, WISCONSIN

DUANE HOFFMAN, Owner
Black River Falls, Wis.

AMOS BRINKER, Manager
Alma Center, Wis.



PABST BURKE PIEBE TRITOMIA

OUR SON OF BURKE

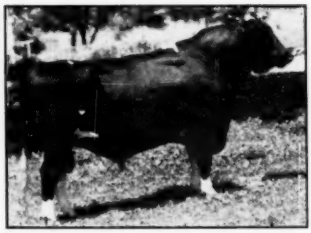
Since the last ad, two more daughters have freshened. One of these is milking over 60 lbs. per day. All have beautiful udders.

His semen is available and can be shipped to any part of the world.

ROCKCREST Farms
ELKADER, IOWA

A. J. JOHNSON, Owner **FRANK SCHWENDINGER, Herdsman**

Artificial Service to This Burke Son



PABST BURKE PIEBE TRITOMIA
Son of Burke owned jointly with Art Johnson and Rehder Bros., but standing for artificial service in our stud where we have every facility for drawing the semen and shipping it anywhere in the country. Excellent connections to both coasts.

BREED YOUR BEST COW TO HIM
Or to other sires in our stud

PABST BURKE PIEBE TRITOMIA
He is a son of old Burke—famous Gold Medal sire, with 32 Excellent offspring, sire of All-American Gets in 1947 and 1948.

His dam Piebe Ormsby Skylark with records up to 759-lbs. fat, is a granddaughter of Sir Skylark Ormsby Fobes.

HIS SEMEN IS AVAILABLE
Fee $25.00 at Service

Additional fee of $25 for heifer calf or $50 for bull calf, payable when calf is registered.

You can see 40 of his young daughters in the Rockcrest herd at Elkader, Iowa—they are just starting to freshen—he will be proven.

Send orders for semen direct to:

Eastern Iowa Artificial Breeding Association

CEDAR RAPIDS, IOWA

CHANGES IN THE DEMAND FOR MEAT AND DAIRY PRODUCTS IN THE UNITED STATES SINCE 1910.

By Geoffrey Shepherd, Iowa State College of Agriculture, Ames, Iowa. Research Bulletin 368.

This is a scholarly discussion, backed by many facts, figures and charts. It indicates that the per capita demand for meat declined from 1910 to 1946 in relation to income, but only as part of the general decline in the expenditure for food as a whole. Relative to the expenditures for food, the per capita demand for meat remained about constant. Demand for meat rose markedly in 1947 and 1948 but by the end of the latter year returned to about its pre-war level in relation to income.

The per capita demand for milk increased from 1924 to 1948, although the per capita demand for butter declined during those same years in relation to disposable income. It declined also in relation to total expenditures for food at the rate of about 1% per year. One of the reasons for this decline is the 30% reduction in the per capita consumption of grain products, principally bread, that took place from 1910 to 1948. A 30% decline also took place in the per capita consumption of potatoes and sweet potatoes, all of which assist in the consumption of butter. The increase in the consumption of oleo which stood at 2.7 lbs. in 1941 and 6.1 lbs. per capita in 1948 was considered to have accounted for about half of the decrease in butter consumption.

PASTURES FOR ILLINOIS

Circular 647, University of Illinois, College of Agriculture, Urbana, Illinois. By Fuelleman, Burlison and Kammlade.

Illinois has done a lot of work on pasture improvement and this circular summarizes their present knowledge with a good deal of detail regarding various pasture dresses adapted to their conditions Doubtless the presentation would be of value to dairymen in other states of similar climate.

THE RELATIONSHIP OF MACHINE MILKING TO THE INCIDENCE AND SEVERITY OF MASTITIS

Technical Bulletin No. 992, United States Department of Agriculture. Available through regular sources.

This bulletin compares methods of milking including the effects upon the udder from various types of machine and hand milking. This bulletin, issued August 1949 covers the results of experimental work and observations extending back to October, 1933. The bulletin clearly points out some of the pitfalls of improper machine milking in relation to mastitis.

Cows on test in DHIA during 1948 registered a new all-time high for average production. The figures on 886,129 cows were 8, 675 lbs. milk, 350 lbs. fat. Numbers were up over 100,000 from the previous year, which showed an average of 8638 lbs. milk, 348 lbs. fat.

ILLINOIS STATE FALL SALE

49 Females 2y & over (13 calves under 3m sold with dam)	$22,335	$455.82
10 Bred yearlings	4,340	434.00
4 Open yearlings	1,645	411.25
4 Heifer calves over 3m	900	225.00
3 Bulls over 3m	1,465	488.33
70 Head	$32,000	$457.14

The annual Illinois State Fall Sale was held October 29 at Rockford, Ill. Hill-Man Farms were hosts and while it was a good day for picking corn, the sale attracted a sizeable crowd of interested buyers. Prices held rather steady throughout and the quality of the cattle was uniformly high. The 70 head brought an even $32,000 to average $457 and went to breeders in Illinois, Wisconsin, Kentucky, Georgia and Iowa.

All in all, it was chalked up as another highly successful sale backed by good Illinois breeders.

Cornell Farms, Winfield, Ill., topped the sale with their "Very Good" Burke Posch Willie, she going to Mooseheart (Mooseheart, Ill.,) at $810. This 4-year-old granddaughter of Iowana Ormsby Aaggie Burke is promising 600 lbs. fat on 2X and was grand champion at the 1949 Illinois B & W Show. She will drop a calf by Mooseheart Prince. Pond Gate Farm, Dundee, Ill., had the next high price when their 3-year-old daughter of Dunloggin Master Var went at $700 to Robert McCulloch, Rockford. Thirteen head sold for $500 or over.

Lampa & Nelson, Broadhead, Wis., were the heavy buyers of the day, taking seven head for $3005. W. P. Payne, Danville, Kentucky, paid $2665 for six head and F. J. Stransky, Savanna, Illinois, took five head at $2315. Several others made substantial purchases.

J. C. Mack and H. W. Walker were auctioneers, with Donald L. Barkman, Robert Howard, John Dehmlow, R. C. Washington and Walter Krumrey making up the sale committee. Kent M. Ryan, Dundee, Ill., was sale manager.

The buyers and details on sales of $500 or over:

Mooseheart Farms, Mooseheart, Ill.
Burke Posch Willie (1-45) $810
(Cornell Farm, Winfield, Ill.)
Robert McCulloch, Rockford, Ill. (2)
Pond Gate Mistress Lavender (10-45) 700
(Mrs. Paul Magnuson, Dundee, Ill.)
Frank C. Herriott, Seymour, Ill.
Cedar Bluff King Eli (9-46) 630
(Carroll & French, Thomson, Ill.)
Robert Brown, Elwood, Ill.
Skokie Princess Roamer Vale (9-48) 625
(Elmwood Farms, Lake Forest, Ill.)
Lester Dauber, Newark, Ill. (4)
Lilith Wayne Abbekerk (2-43) 610
(E. H. Ellingsson & Son, Popular Grove, Ill.)
Harry B. Jones, Genoa, Ill. (4)
Bess Kariole Burke (3-47) 600
(Robt. C. McCulloch & W. A. Newman, Rockford, Ill.
Adolf Porter & Walter Bossert, Reddeck, Ill.
(M) Skokie Prince Deuce (12-48) 525
(Elmwood Farms, Lake Forest, Ill.)
Mrs. Clayton Hutchings, Mundelien, Ill.
Curtiss Candy Renown Mabel (1-44) 525
(Curtiss Candy Co., Chicago 13, Ill.)
W. O. Payne, Danville, Ky. (6)
Four-O-Dairy Lind Oak Bend Bess (5-47) 525
(Robert B. Howard, Dundee, Ill.)

Crescent Beautys
AT Da - Co - Ton

DA-CO-TON CRESCENT EMBLEM

Crescent Beauty Admiral Jule

Our sire whose first daughters will start to freshen this winter—a beautifully promising group of heifers. He is by Admiral Fobes Jule, the inbred son of Queen Julianna Ormsby Ace and his dam is Crescent Jewel Queen, daughter of Crescent Butter Boy Prince from Queen Julianna Ormsby Ace 3rd.

Shown at the right is one of the sons of Crescent Beauty Admiral Jule that topped the bulls in the recent South Dakota State Sale going to the good herd of Arthur Ransell, Huron, S. D.

As announced in an earlier issue of the WORLD, we have secured a half interest in - - -

Crescent Beauty King

the young son of Jule King Admiral from Crescent Beauty Prince Joy (Ex.) This youngster has more than 75 per cent the same blood as Crescent Beauty Lady Gloria, grand champion of the 1949 Waterloo show and Reserve Grand at Indianapolis.

A few sons available of our older Crescent Beauty sire from dams of "Wild Rose" and "Oklahoman" breeding. Write for details.

R. L. Cotton & Son
Parker (25 Head — 85.5%) South Dakota

The "Highboy" Band Wagon
is picking up steam —

CARNATION HOMESTEAD HIGHBOY

At our local Calumet "400" Sale on Nov. 5, we sold a bull and a heifer calf both sired by "Highboy". Never in all our 42 years of breeding Holsteins have we ever received so many compliments on our cattle at any show or sale as we received on these 2 calves. Even the most rabbid enthusiasts of other bloodlines were asking for Highboy semen, an item which isn't available as yet.

Christy Homestead Mischievous, topped the female sales going to Mr. J. D. Chastain of Charlie, Texas. "Be loaded for bear"—you Texas showmen. This calf will be in the junior yearling classes next fall. Mr. Chastain also purchased another bang-up calf privately to go with her. This latter calf is sired by a son of Oostie King and is line-bred in the blood of one of our 15-year-old brood cows.

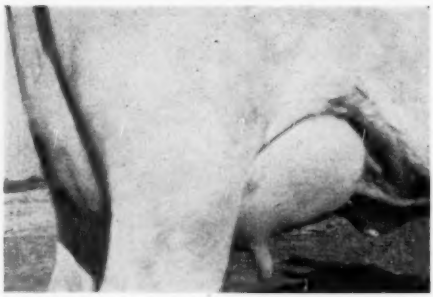
Christy Homestead High Ho was the second high bull at this sale and went to A. C. Oosterhuis of Oconomowoc, Wis. This calf will show in any company. His dam was 2nd on the 1946 Honor List and represents the blood of 2 of the 4 great proven bulls we have developed from Mr. Oosterhuis' breeding.

Thank you both—Mr. Chastain and Mr. Oosterhuis—we appreciate your support and wish you every success.

(Special Note)—We are not offering any more Highboy daughters for sale as we feel a responsibility to the men who have his sons to prove him out as quickly as possible. However, we have a few baby sons available. For your next herd sire we suggest a Highboy-Homestead.

NORTH STAR HOMESTEAD
CHRISTOPH FARMS
CHILTON, WISCONSIN

This is the Udder of MAYERS DAISY BONHEUR BLONDIE



She Has A Young Son By CRESTON GRAND MAJESTY

This is a beautiful dark bull calf. His sire is our son of **Dunloggin Mistress Queen** and **"Twenty Grand," Creston Grand Majesty:**

"Blondie" is a daughter of **Bonheur Posch Chieftain,** our Rag Apple bred bull whose daughters are making about 80-lbs. more fat than their dams. Her record - - -

2 yrs. 365d-2X-11475 M. 430.1 F. 3.7%

under very ordinary conditions. Her dam is a granddaughter of the GM—Sunbeam Pride Transmitter with over 400 F. at 4 yrs., and the next dam, 600 F.

NOTE: We also have a maternal brother to "Blondie" born last February, the first calf sired by "Grand Majesty." Either one of these young bulls should sire wonderful udders and good production.

DETAILS SENT ON REQUEST

MAYER FARMS

Slinger — CHRIST A. MAYER & SONS — Wisconsin

WE HAVE SONS OF

SPRINGBANK SOVEREIGN PRINCE

FOR SALE

Are you shopping around for a new herd sire? Would you be interested in a grandson of Montvic Rag Apple Sovereign?

We are offering a nice selection of sons of our 3-year-old son of "Sovereign," Springbank Sovereign Prince, who is out of a twice 800-lb. 4% dam, she from the twice 700-lb. daughter of Springbank Abbekerk Adaline with two records of 1081 apnd 1144 lbs. It's one of the strongest production pedigrees you can find. Dams of our bull calves officially classified for type and with records up to 743 lbs. fat. Write for our bull list.

MOOIE BELL FARM

Three Bridges, New Jersey

AL COLLISTER, Mgr.

Lampa & Nelson, Brondhead, Wis. (7)
Pond Gate Ridgehurst Gluck (12-42) 520
(Mrs. Paul Magnuson, Dundee, Ill.)
F. J. Stransky, Savanna, Ill. (5)
Derridge Posch Ormsby Jenny (10-45) 510
(John R. Derrer & Sons, Mt. Carroll, Ill.)
Zurbuggen & Bridge, De Kalb, Ill.
(M) Hickory Creek Supreme Tempest (1-49) 500
(Hickory Creek Farms, W. McHenry, Ill.)
Geo. A. Fox, Syracuse, Ill.
Matador Bessie Burke (4-46) 500
(Wm. H. Williams, Huntley, Ill.)

Other buyers were: Donald C. Kenney, Robert D. Kenney, Tiskilwa; Chas. Nelson, De Kalb; Orville Goodenough, Morrison; Lester J. Goodman, Ottawa; E. H. Ellingson, Popular Grove; Tom Dunne, Plano; Buford Bros., Stockton; Ivan Carroll, Thomson; L. S. Reavley, Sterling; Peter S. Roberts, Winnebago; Calvin Meyer, Peotone; Richard Maney, Freeport; Richard Mathews, Huntley; Meyer & Demmerst, Dixon; Alfred E. Meyer, Amboy; Geo. Leckam, Prairie View; Sheldon M. Kesner, Waterman; J. H. Swanzey, Freeport; Harold Schedenhelm, Mendota; Kane & Jepson, Ringwood; E. A. Sauder & Son, Tremont; Leonard Wolf, Hennepin; Anthony Wegener, Maple Park; Wm. H. Williams, Huntley; Art Wolk, Davis Junction; Mrs. Leonard Wolf, Hennepin; Harry V. Jenkins, Cherry Valley; Lt. Col. E. H. Hadley, Belvidere, Ill.; Howard F. Thie, Burlington, Ia.; John Hetts, Ft. Atkinson, Wis.; James Deal, Athens, Ga.

Statistical data furnished by K. M. Ryan, Dundee, Ill.

THE RONDOUT CO-OP BULL ASS'N 1ST INVITATIONAL SALE

Catalog Summary		
42 Females 2y & over (17 calves under 3m sold with dam)	$14,480	$344.76
6 bred yearlings	1,000	58.82
14 open yearlings	1,730	288.33
1 heifer calf over 3m	2,895	206.79
6 bulls over 3m	140	140.00
	1,520	253.33
69 head	$21,765	$315.43

The Rondout Cooperative Bull Association, Accord, N. Y., tried a new scheme at their first sale on October 22d, when they featured the daughters of the main Rondout sire, General Rag Apple Posch. Fifty-two of the 69 catalogued animals were General daughters, with most of the remaining 17 head otherwise related or bred to him, or both.

The sale was well attended with considerable interest shown by spectators and bidders—a large number of females offered were several months from calving, thus not demanding the premium that fresh and close animals always re-

STEFAN TAUSSIG
Dynamic manager of the Rondout Co-Op.

ceive when sold at public sale. In addition more than one-fifth of the animals offered were open yearlings—many not yet of breeding age.

General Rag Apple Posch is a grandson of General Posch through Emperor Posch (son of Bess Creamelle Colantha Posch, 1124.8 lbs. fat, 4%) and from Norman Colantha Posch, 929-lb. granddaughter of Abbekerk Sylvius Lad 13th. His 52 daughters presented a uniform, milky appearance.

Buyers follow:

Hugh Kelly, Ellenville, N. Y. (3)
Saunderskill Glenn Mae (10-42) $625
(John L. Schoonmaker, Accord, N. Y.)
Frank D. Cuddeback, Cuddebackville, N. Y. (3)
Saunderskill Rag Apple Sugar (10-46) 500
(John L. Schoonmaker)
John F. Kirn, Fort Ewen, N. Y. (2)
Saunderskill Blend Gelsie (10-46) 500
(John L. Schoonmaker)

Other buyers were: E. A. Tarbell, North Bangor; Julius Westheimer, Middleburg; D. Richard Mitteer, Hurleyville; Howard Gregory, Clarksville; Gaudineer & Zickler, Montgomery; John S. Geary, Wawarsing; Ray Golden, Stone Ridge; Edward Davenport, Accord; Herman Dunn, Kerhonkson; Raymond Barlow, Windham; J. Brown, Lebanon Springs; Arthur C. Brown, Westtown; Leland E. Button, Canajoharie; Herbert Barlow, Ashland; Abe Bernstein, Kerhonkson; Edwin W. Button, Canajoharie; Harry Bull, Campbell Hall; Fred Hermann, Callicoon; Holger Anderson, Ellenville; Clinton Ackerley, Grahamsville; Winchell Atkins, Stone Ridge; Nicholas H. Kolk, Goshen; Albin Karsten, Middletown; G. Richard Kirchner, Kingston; H. M. Kouri, Hopewell Junction; Ridgely Farms; Stone Ridge; John Pescope, Accord; H. W. Pulver, Columbiaville; Phyllis Turner, Hurleyville; Sam Tessler, Kerhonksville; Raymond Tarbell, No. Bangor; John Oertle, Cassville; Mrs. Frank W. Ostrander, Ghent; Chas. Van Wie, Voorheesville; Arthur L. Van Akin, Stone Ridge; C. James & Harwood Wells, Pleasant Valley, N. Y.; Ross Sanitarium, Brentwood, L. I.; and Rupert Freiberger, Allentown, N. J.

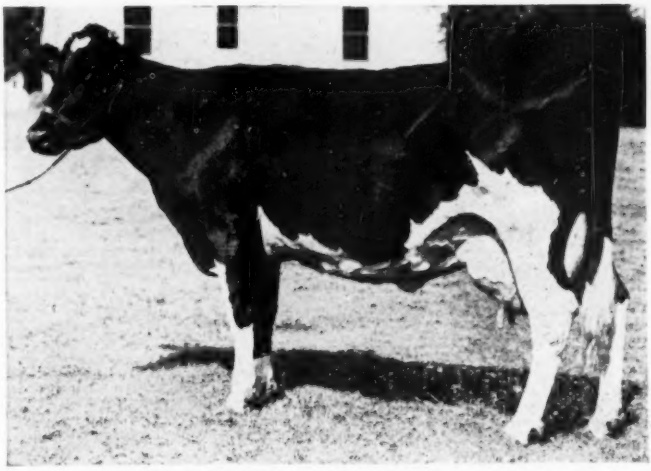
Statistical data furnished by R. Austin Backus, Mexico, N. Y.

NEBRASKA TO INDIANA

Sunnyslope Farms, North Platte, Neb., report the recent sale and delivery to Ricker & Hess of Brook, Indiana, of their highest record daughter of their Gold Medal Sire, Carnation Count. This young cow is Sunslope Echo Alice 2606244 (GP at 2y). In HIR, 2X, she made 511 lbs. fat. As a 3-yr.-old she made 652 lbs. on 2X. Her dam is a VG daughter of the Silver Medal sire, Carnation Sunnyslope Governor, she with 525.2 lbs. fat, 4.1% at 2y on 2X.

SUNSLOPE ECHO ALICE
Recently sold to Ricker & Hess, Brook, Ind., by Sunnyslope Farms, North Platte, Neb.

LARRO ROYAL NATIONAL CHAMP FOR SECOND STRAIGHT YEAR



Larro Royal: 1949 National Class Leader, 2x milking for senior 3-yr.-olds. Only Holstein to hold two national production records in the yearly division.

LAST YEAR, Larro Royal (owned by Larro Research Farm, Detroit, Michigan) established a new National Class Leader record in the Junior 2-yr.-old division on 2x milking, with 18,110 lbs. of milk, 3.9% test and 707.5 lbs. of butterfat.

On August 28, 1949, she finished another record-breaking year, with 22,442 lbs. of milk, 4.0% test and 887.6 lbs. of butterfat. This new record makes Larro Royal the new Class Leader in the yearly division, 2x milking, for senior 3-yr.-olds.

In her first two test years, Larro Royal has produced 40,552 lbs. of milk and 1595.1 lbs. of butterfat. This is the highest production ever achieved by a Holstein cow in the United States in her first two lactations in 2 and 3-yr.-old form on 2x milking on A.R. test.

Larro Royal is fed on the Larro Once-A-Day feeding program, a time-saver for any dairyman. She was fed Larro Dairy Feed and silage about 10:00 A.M. and hay at about 5:00 P.M. When she was on full feed, the early part of December, Larro Royal received 27 lbs. of silage and 22 lbs. of Larro at the 10:00 A.M. feeding and 27 lbs. of hay at 5:00 P.M.

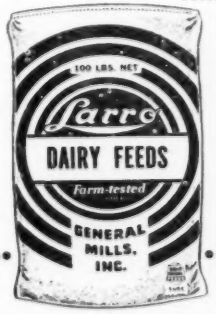
2-YEAR-OLD RECORD MADE ON LARRO 32% CONCENTRATE

Last year, Larro Royal's national record was set on Larro 32% Dairy Concentrate . . . with alfalfa, silage and ear corn. Further proof that a good cow plus good feed and management gets top results.

L-2528

General Mills

Larro
Farm-tested
DAIRY FEEDS



Address Dept II at our nearest office
DETROIT (2)—SAN FRANCISCO (6)—CHICAGO (4)

USEFUL LIVESTOCK

We sincerely believe it is the goal of every breeder of livestock to produce a useful animal — the degree of usefulness will depend largely on three things: **Heredity,** or the inheritance that goes into the makeup of each individual; second, **the care and management** that makes the animal's development possible; and third, **the goal or plan** that controls the breeding program on any particular farm.

HALLROSE HAZEL LAD — "EXCELLENT"

Grand Champion son of an Excellent daughter of Hallrose Progressor — Excellent. This bull and the two generations back of him have an average type score of over 91 points for the seven animals — five being Excellent, 2 Very Good. Of his first three sires two are now Gold Medal and the third one will be Gold Medal in the very near future. He carries an intensification of Hazelwood blood that we believe will benefit our breeding program. He is in heavy service at Hickory Creek Farms now.

Hickory Creek Farms in an effort to obtain the greatest possible inheritance to aid their breeding program selected and put in service Hallrose Hazel Lad. We are firmly convinced he is capable of siring useful dairy cattle. Those great old cows coming from Waukona Myretta, including Lola Aaggie Myretta and her sister Ormsby Aaggie Tilda are both closeup in his pedigree. He is sired by a son of Tilda and from a daughter of a son of Lola. In our breeding program we are incorporating a lot of Lad's inheritance and believe from every indication we have so far he will live up to every hope we have for him.

Why not consider a son of Lad to incorporate into your breeding program? For his greatness is being recognized by a lot of good cow men. A son of him from our intensified cow families could offer a lot of interesting possibilities to the breeder planning for the future.

HICKORY CREEK FARMS

West McHenry, Illinois

HOWARD FOUNDRIES CO.
Owner

A. C. "Whitie" THOMSON
Herd Man. ger

Kentucky State Fair

Holstein breeders from three states exhibited 119 head of Holsteins at the Kentucky State Fair held at Louisville, September 14. The bright spot of the show was the many junior exhibitors from Kentucky showing in the open classes. Junior exhibitors showed 25 head in the open heifer calf class. Sam Porter Campbell, County Agent, had 12 head entered from that county; all owned and exhibited by 4-H members. A feature of the Holstein activities at the State Fair is the annual banquet for 4-H members held the night before the Open Show. This annual event honoring Junior members is sponsored and paid for by the Kentucky Holstein Cattle Club.

Ravenglen Farms of Antioch, Illinois, largest out-of-state exhibitor, took the major share of the awards winning eleven blue ribbons and both championships. John Kalmey, Shelbyville, Kentucky, had two blues, Jack Durrett, Smithfield Kentucky, one blue, William Gallerein, a 4-H boy of Valley Station, Kentucky, one blue, and Newman Bros. of Culver, Indiana, one blue.

Ravenglen Farms won all of the bull classes, starting the show with first and second in the bull calf class on Ravenglen Senator Lad Oak and Ravenglen Supreme Triune. The first place calf, a well-balanced son of Senator was an easy winner in a good bull calf class.

Ravenglen came out with a straight deep-bodied son of Senator to win the Junior yearling class, beating Newman Farms and Jack Durrett, who placed second and third respectively. The calf, Senator Norine, was the choice of Judge Rhode for Junior Champion bull.

Ravenglen

Oak Ormsby Prince, a son of Dictator Ormsby Oak, topped the Senior Yearling for Ravenglen with a junior exhibitor, Wm. Gallerein placing second on Level Acres King Ormsby DeKol.

The Ravenglen 2 year old bull, Ravenglen Hartog Triune, a son out of the Grand Champion cow and from the Hartog bull, was the first place 2 year old and wen on to be named the Grand Champion bull of the show. Judge Rhode commented on the extreme style and dairy character which this bull carried which made him an easy top in a good two-year-old class.

Ravenglen Senator Connie, won the aged bull class for Ravenglen Farms, beating last year's champion bull, Kalmey's Sir Davie, shown by John Kalmey of Shelbyville, Ky.

A fine aged cow class of thirteen well-fitted individuals was lead out with quality all the way. Judge Rhodes selected Ravenglen Senatora Triune to head the class and followed her up with her dam, Ravenglen Princess Triune Creator, a great mother-daughter combination. The Triune cow is looking better at every show and went on to win the best-uddered class and was named senior and grand champion of the show. She has a record, recently completed, of 879.2 lbs. fat, 19590 lbs. milk, 4.5%.

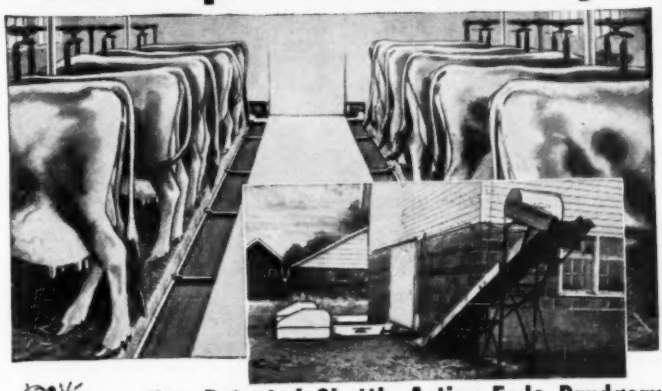
Jack Durrett won the first class for a Kentucky entry when he topped the three-year-old class on Alcartra Pietertje Darkness, a straight-topped, good-legged cow which had calved just a few days before the show. Newman Farms placed second and third in this class.

Ravenglen Farms had an easy win with their good two-year-old Ravenglen Oak Kippy, which has been a consistent winner at several fairs this year. A 4-H club girl, Delma Dawson, placed second in this class.

Newman Farms won the senior yearling class on Al Beth Dictator Hazel, this well-developed, deep bodied heifer going on to win the Junior Championship. John Kalmey pushed him all the way for top in this class, with last year's junior champion Kalmey's Miss Lena.

John Kalmey, who placed consistently high all day, finally crashed through for a blue ribbon in the junior yearling heifer class with Kalmey's Duchess Gayety, an extremely smooth heifer showing a lot of dairy character. Arthur Graden, a 4-H boy from Campbell County, Ken-

Jamesway Barn Cleaner Saves up to 1½ hours a day



New Patented Shuttle Action Ends Drudgery Gives You All These Big Advantages

No more stooping, scraping . . . heavy lifting for you! With the Jamesway Barn Cleaner you just flip the switch! It cleans your barn cleaner!

Jamesway's amazing new pull-push shuttle action moves manure from gutter straight to the spreader. No chains in the gutter, no cross gutters, no inside pits! Clean your barn only once a day if you wish. The Jamesway Barn Cleaner is built to handle the load.

Stop in and see your Jamesway Dealer the next time you're in town. Let him show you how the new Jamesway Barn Cleaner can save you up to 1½ hours every day of the year. For *free* time-saving folder, mail coupon below.

1. Fits any barn . . . any gutter.
2. Power and strength for once a day clean out.
3. No indoor pits or cross gutters to collect filth.
4. Does away with idlers, gears, chain and cable drag lines inside stable.
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6. Exclusive pull-push action does not take out valuable stall space.
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Please send literature on items checked. Tell me how to get FREE plans for my needs. I plan to build or remodel Dairy Barn ☐ Hog House ☐ Poultry House ☐.

Name.....R. R. No.....

P. O.....State.....

NATT R. DAVIS DISPERSAL

Sale of farm forces the dispersal of this well-bred young herd located 1½ miles south of **Chagrin Falls, Ohio,** on Franklin St., then west—1st farm on Holbrook Road.

Saturday - Dec. 10th - 12:30 P.M.

26 - *Registered Holsteins* - 26

Seldom do you find a herd of this size having daughters of such outstanding sires and from such high record dams. Mr. Davis selected 12 outstanding heifers in the great Fleet Wing dispersal 2 years ago — they are all selling including 2 daughters and 2 granddaughters of Sir Aaggie Pride Ormsby (sire of 2 world champions) ; 4 daughters of Dunloggin Aim (their dams 795 and 719F), and a daughter of Abegweit Tombstone. The above sires all sold for 4 figures.

All cows under 4 years of age.

The 2-yr.-old herd sire sells — Otco RoVar Victor from 504-lb. dam.

Nine heifer calves by "Victor" — most born since July 1 — wonderful 4-H prospects.

Most cows just fresh with first calf, herd in ordinary farm condition.

Foundation stock — popular breeding, type and production.

Calfhood Vaccinated — T.B. and Bang's Tested.

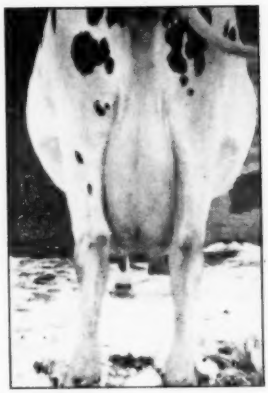
Catalogs at ringside — sale under cover — also selling feed and tools.

J. O. FENSTERMAKER
Auctioneer and Sale Mgr.
Homerville, Ohio

NATT R. DAVIS, Owner
Chagrin Falls,
Ohio

PRICED to SELL

Photo of udder of the dam taken while milking 90 lbs. a day.



Her records on 2X:

5y	9m	277d	15015	516.5
6y	10m	291d	14826	505.0
7y	11m	305d	18596	653.0
(11th on 1948 Honor List)				
7y	11m	343d	20007	672.1
9y	1m	338d	16289	542.7

She is classified "VG". The next dam has 12067 lbs. milk, 4.3%, 525.7 lbs. fat, 305d, 6y. She is sired by a 4% son of Pabst Roamer whose first daughters have freshened with tests up to 5.5%.

His Name: High Hedge Belmont Burke
Born Feb. 14, 1947

This bull can be seen **at the farm of Peter Hopfensperger, Junction City,** Wis., part owner, who also has some of his first calves.

We also have some bull calves sired by Wisconsin Burke Lad from 500 to 675-lb. fat dams priced at only $200. Most of them are from 1-2 to 3-4 black with solid color markings.

HIGH HEDGE

HARVEY W. MATHES **RD 1, Menasha, Wisconsin**

tucky, placed second in this class with Ormsby Tritomia Inka Ann.

Top class of the show was the heifer calf class with 35 entries—25 head coming into the open show from the junior department. First and second in this splendid class went to Ravenglen Farms on Ravenglen Triune Genie and Ravenglen Triune Gilda, the top heifer being a well-grown wonderful bodied heifer.

The awards:

Judge C. S. Rhode

Bulls 3 years and over
1. Ravenglen Senator Connie, Ravenglen Farm; 2. Kalmeys Sir Davie, John E. Kalmey, Shelbyville.

Bulls 2 years old
1. Ravenglen Hartog Triune, Ravenglen Farm; 2. Masterman Design, Borea College, Borea, Ky.

Senior Yearling Bulls
1. Ravenglen Oak Ormsby Prince, Ravenglen Farm; 2. Level Acres King Ormsby DeKol, Wm. Gallerneau, Valley, Ky.

Junior Yearling Bulls
1. Ravenglen Senator Norine, Ravenglen Farm; 2. Culver Dictator Ormsby General, Newman Farms, Culver, Indiana; 3. Senator Ormsby Black Pepper, Jack Durrett, Smithfield, Ky.

Bull Calf
1. Ravenglen Senator Lady Oak, Ravenglen Farm; 2. Ravenglen Supreme Triune, Ravenglen Farm; 3. Ellingsworth Prince Korndyke, Harold Ellingsworth, Jeffersonville, Indiana; 4. Senator Alcartra Buster, Jack Durrett; 5. Kalmey's Sir Earl, John E. Kalmey; 6. Ellingsworth Liddie Homestead, Harold Ellingsworth.

Senior and Grand Champion Bull
Ravenglen Hartog Triune, Ravenglen Farm.

Junior Champion Bull
Ravenglen Senator Norine, Ravenglen Farm.

Cows four years and over
1. Ravenglen Senatora Triune, Ravenglen Farm; 2. Ravenglen Princess Triune Creator, Ravenglen Farm; 3. Crena Segis of Minnowbrook, Henderson Bros., Shelbyville; 4. Nockdair Rag Apple Beets, Jack Durrett; 5. Greberhill Homestead Coachman, Harold Ellingsworth; 6. White Heights Dolly Ringmaster, Mary McDurrett; 7. Tritomia Burke Inka, Henry Smith, Finchville; 8. Cleo Segis of Minnowbrook, Henderson Bros.; 9. Kalmey's Walker Edna, John Kalmey; 10. Culver Eden Paul Etta, Newman Farm.

Cows three years old
1. Alcartra Pietertje Darkness, Jack Durrett; 2. Culver Eden Ormsby Hettie, Newman Farms; 3. Culver Eden Ormsby Boots, Newman Farm; 4. Kalmeys Miss Lien, John Kalmey; 5. Shanghigh Exec Mary, Delma Dawson; 6. Mazlea Dewdrop of Minnowbrook; 7. Ravenglen Senatora Sandra, Ravenglen Farm; 8. Berea Superior Beets, Borea College; 9. Segis Ormsby Johanna, Borea College.

Heifers two years old
1. Ravenglen Oak Kippy, Ravenglen Farm; 2. Shanghigh Exec Beauty, Delma Dawson; 3. Culver Eden Paul Violet, Newman Farm; 4. Credd Dewdrop of Minnowbrook, Henderson Bros.; 5. Curtiss Candy Segis Flora, Betty Moser, Louisville; 6. Kalmey's Miss Beauty, Lee Tucker, Finchville; 7. Princess Segis Methilde, Wm. Gallerin; 8. Segis Inka Mattie, Henry Smith; 9. Kalmey's Miss Doris, John Kalmey; 10. Kalmey's Miss Dolly, John Kalmey.

Senior Yearling Heifers
1. Al Beth Dictator Hazel, Newman Farm; 2. Kalmey's Miss Lena, John Kalmey; 3. Woodport Black Queen Wester, Betty Moser; 4. Cubela Inka Colantha, Betty Moser; 5. Smiser's Ona Sensation, W. F. Smiser, Jr.; 6. Berea Lyons Alene, Berea College; 7. Old Land Helen, Marvin Black; 8. Grasseyside Gerben Lad, J. D. Wolf; 9. Level Acres Canadian Renown Lady, Wm. Gallerein; 10. Lyons Hengerveld, James Graden.

Junior Yearling Heifers
1. Kalmey's Duchess Gayety, John Kalmey; 2. Ormsby Tritomia Inka Ann, Arthur Graden; 3. Sue Korndyke, Norman Yeager. 4. Woodport Queen Posch, Betty Moser; 5. Ellingsworth Empress Kalmey, Harold Ellingworth; 6. Ellingsworth Pride Harkie Ann, Harold Ellingsworth; 7. Ellingsworth Pride Hattie Ella, Harold Ellings-

worth; 8. Curtiss Candy Dean, Carter Black; 9. Kalmeys Mistress Evaline, Billy Terhune; 10. Charles Woods, Jr.

Heifer calf

1. Ravenglen Triune Jeanie, Ravenglen Farm; 2. Ravenglen Triune Gilda, Ravenglen Farm; 3. Culver Dictator Eden Judy, Newman Farm; 4. Kalmey's Miss Barbara, John Kalmey; 5. Kalmey's Miss Diana, John Kalmey; 6. Cresso Hazelwood of Minnowbrook, Henderson Bros.; 7. Dawson Grand Tritomia, John Dawson; 8. Double Segis Hengerveld Inka, James Graden; 9. Expectation Inka Bess Salley, W. F. Smiser; 10. Ogren Moser Oak Bend Model, Betty Moser.

Senior and Grand Champion Cow

Ravenglen Senatora Triune, Ravenglen Farm

Junior Champion Female

Al-Beth Dictator Hazel, Newman Farm

Young Herd Wm. Gallrein

Dairy Herd

1. Ravenglen Farm; 2. Jack Durrett; 3. Newman Farm; 4. Henderson Bros., 5. John Kalmey; 6. Wm. Gallerein.

Senior Get of Sire

1. King Bessie Senator, Ravenglen Farm; 2. Posch Ormsby Fobes Eden, Newman Farm; 3. Tri Yo Aaggie, John Kalmey; 4. Quon Quont Segis Modest, Henderson Bros., 5. Henry Smith.

Junior Get of Sire

Tri Yo Sir Aaggie, John Kalmey; Kalmeys Pride Laddie, Harold Ellingsworth.

Produce of Dam

1. Ormsby Triune Princess, Ravenglen Farm; 2. Ravenglen Senatora Triune, Ravenglen Farm; 3. Culver Ormsby Paul Astor, Newman Farm; 4. Cree Segis of Minnowbrook, Henderson Bros.; 5. Ovamor Matador Daisy, John Kalmey.

Best Udder

1. Ravenglen Senatora Triune, Ravenglen Farm; 2. Alcartra Pietertje Darkness, Jack Durrett; 3. Tritomia Burke Inka, Henry Smith; 4. Ravenglen Oak Kippy, Ravenglen Farm; 5. Cleo Segis of Minnowbrook, Henderson Bros.

Reported by Robert J. Howard, Fieldman

MALLARY FARM REPORTS BULL SALES

Mallary Farm, Bradford, Vermont, reports some recent bull sales. These calves are sons of Mallary Farm Rag Apple Triumph, son of Montvic Rag Apple Colantha Abbekerk (E.), former breed champion 3X producer with 1263 lbs., 4.3%, and famous brood cow. Triumph's sire was Montvic Posch Rag Apple, Gold Medal sire and son of Johanna Rag Apple Pabst from Lady Meg Posch (G.M.), also a remarkable brood cow. Posch was full brother to General Posch and Montvic Pabst Rag Apple and maternal brother to Montvic Abbekerk Pabst Posch, Extra sire.

Nelson Myers of Greencastle, Pennsylvania, selected the son of Triumph which Mallary Farm showed this year. The calf's dam, Newmont Topsy, is class-

MALLARY FARM ILLUSTRIOUS

Prize-winning bull calf recently purchased at Mallary Farm by Nelson Myers, Greencastle, Pa.

DAIRY COWS

are Healthier . . . Thriftier when fed MORTON'S *Free Choice* Trace Mineralized Salt

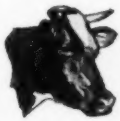
Salt is vital to the health and well being of your animals. It is necessary for the digestion of protein. Together with the trace minerals, it is essential to the entire hormone, enzyme and vitamin activities of the body.

This is why your livestock need Morton's Free Choice Trace Mineralized Salt . . . Free Choice Salt combined with small but adequate amounts of iron, copper, manganese, cobalt, iodine. It helps your animals make better use of their feed . . . promotes better growth . . . faster, more economical gains.

Protect your livestock against costly trace mineral deficiencies. Guard your profits. Feed Morton's Trace Mineralized Salt free choice. It's like a low-cost insurance policy covering all your animals. Ask for Morton's Trace Mineralized Salt by name. Feed it *free choice.*

Cows Are More Certain To Breed

Manganese in Morton's Trace Mineralized Salt plays an important part in bone growth, reproduction and lactation. Makes cows more certain to breed . . . drop healthier calves. Stimulates milk production.



Calves Are Sturdier, Thriftier

Iron and copper in Morton's Trace Mineralized Salt combines to make the hemoglobin or red blood corpuscles which carry oxygen needed for complete assimilation of feed nutrients. Calves grow faster . . . cost less per pound of gain.

Growing Animals Make Faster Gains

Cobalt in Morton's Trace Mineralized Salt helps set up a healthy condition in the digestive tract. There is more complete digestion of feed. Growing animals make better use of feed nutrients . . . gain weight faster.

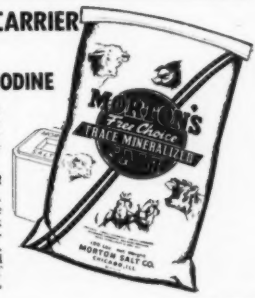
Feed Costs Are Lower, Profits Greater

Iodine in Morton's Trace Mineralized Salt helps control the thyroid gland, which in turn controls the entire activity of the body. Internal functions are more vigorous. You have more profitable animals.

FREE CHOICE SALT IS THE LOGICAL CARRIER FOR TRACE MINERALS

IRON, COPPER, COBALT, MANGANESE, IODINE

Salt and the trace minerals work together better as a team than as individual elements. Because of this interdependence, they should be supplied the most effective, economical way . . . by feeding Morton's Trace Mineralized Salt *free choice.*



SEND FOR FREE BOOKLET AND FOLDER

Get all the facts on feeding salt. Write for your copy of "Free Choice Salt for More Profitable Livestock Feeding" and important new folders on trace minerals. Mailed free. Also ask for new Trace Mineral folder. Write to: MORTON SALT CO., P. O. Box 781, Chicago 90, Ill.

ified Excellent and has a 305-day 2X record which topped the Honor List in 1942. Topsy is a maternal sister to Newmont Aristocrat (GM-E), both being out of Trixy Ormsby Beets, probably the most famous daughter of Ormsby Sensation 45th. Trixy was also classified Excellent, so the calf's dam and both maternal granddams are Excellent, and both granddams have been world's record producers, Trixy's 2X four-year-old record having been a breed championship performance at the time it was made, and for some time thereafter. The calf also has a great inheritance for longevity. Topsy is now thirteen and going strong, again pregnant, and having just completed a record of over 18,000 lbs. of milk, and both granddams lived to the ripe old age of eighteen. The calf himself is an attractive individual. He was junior champion at the Northern New Hampshire Black and White Show, first prize bull calf at the Rutland Fair and the Champlain Valley Exposition, in the blue ribbon group at the Vermont Black and White Show, and in the money at Eastern States.

Hillside Farms, Inc., Trucksville, Pennsylvania, have recently purchased a son of Triumph from Mallary Farm Posch Serena, Very Good daughter of old Posch with 2519 lbs. of fat in her first four lactations and now making a record which seems likely to exceed any of her previous ones. She has a lifetime average test of 4.1%. A full sister to Serena has over 2600 in her first four lactations, and is a former Vermont champion as a senior four-year-old with 788 lbs. of fat, 3.8%. This calf is a full brother to the Samson calf which went to another Pennsylvania herd, that of Wayne S. Schultz, East Greenville, last year. Hillside Farms is owned by the Conyngham family of Wilkes-Barre, and the farm manager is Charles S. Hemenway. The breeding program at Hillside has been founded on Rag Apple bulls for some time, and a grandson of Pathfinder is the present senior sire.

Another double grandson of Posch, a son of Triumph from a Posch daughter, has been selected by a New Hampshire partnership, Joel Barney of Plymouth, and Rice Brothers of Contoocook. Both these herds are Rag Apple in their breeding program, the Barney herd having used Mallary Farm-bred sons of Posch of Master previously, and the Rice herd having been built on the blood of Montvic Rag Apple Netherland, another great son of Johanna Rag Apple Pabst. Their new herd sire is by Triumph from Mallary Farm Posch Karen, who has three Honor List records in her first three lactations, her three-year-old record of 784 lbs. of fat, 3.9%, being second in its class in Vermont. Karen's eldest daughter, sire sired by Mallary Farm Challenger, another Posch son, has just completed a two-year-old record of approximately 650 lbs. of fat, 4.2%. Karen's dam was one of the Mallary Farm foundation cows, a Canadian cow with good Posch-Abbekerk backing who made (unofficially) nearly 130,000 lbs. of milk and had AR records to 827 lbs. of fat, and 765 lbs. in 305 days.

NEW YORK HEIFER WINS AT INDIANAPOLIS JUNIOR SHOW

The accompanying picture shows Cicada Safecinda Rose Segis, the first prize two-year-old in the 4-H division at the International Dairy Exposition at Indianapolis. She was shown by Betty Louise Mason, second of the three daughters of Mr. and Mrs. Harold Mason, Ira, N. Y. All three of the daughters, Helen Loree, the oldest, and Loretta Mae, the youngest, have heifers that have placed consistently high at their county fair.

Cicada Safecinda Rose Segis is a home bred heifer stemming from the old King Segis Pontiac granddaughter that Harold Mason started with in 1926. This heifer is line bred to the old foundation cow on both sides of the pedigree, tracing to her four times. Outcrosses in the pedigree bring in the blood of Triune Ormsby Piebe five times, Matador Segis Ormsby twice, Rose DeKol Wayne Butter Boy five times, and Dunloggin Woodmaster once.

CICADA SAFECINDA ROSE SEGIS
First prize 2-year-old in International Dairy Exposition 4-H Show. Betty Louise Mason, Ira, N. Y.

LONGEVITY PLUS 22-YEAR-OLD HOLSTEIN COW STILL ACTIVE

Raised eyebrows in the Transfer Dept., were nicely lowered by H. E. Gearhe of Phoenix, Ariz., whose herd was recently sold to O. J. Beckwith of Buckeye, Ariz.

Included in the transfer applications was one for Lucinda Clothilde Ormsby, with a birthdate—Sept. 10, 1927.

A letter from Mr. Gearhe, following correspondence from this office, declares she is still active and gets around like a 5-year-old. According to her former owner she calved regularly throughout her lifetime and has been bred since the purchase.

MODERN BULL HOUSING IN PENNSYLVANIA

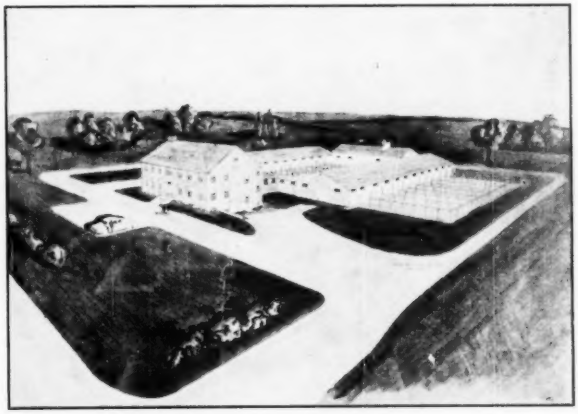
The accompanying architect's drawing details a group of new buildings being erected by the Southeastern Pennsylvania Artificial Breeding Cooperative, located 3 miles North West of Lancaster, Pennsylvania, along the new Harrisburg Pike, in Lancaster County.

The project, estimated at $175,000 cost, will include two bull barns suitable for 40 working sires, feed barn, a teaser cow stable, hospital stall and a three-floor administration building which will accommodate the offices and laboratories. An endeavor has been made throughout to encourage utmost safety and maintain convenience and facilitate efficiency. The project is required to accommodate the Associations increased demand.

The territory served by the Association presently includes 12 complete counties and 3 counties in part located in Southeastern Pennsylvania. The Association at the completion of this, its sixth year, will render tenfold the initial services over 1944.

The Association's present 25 sires, serving the 4 major breeds, will be mated to more than 48,000 females, an increase of 37% over 1948.

The present physical plant of the Association is located in the village of Landisville, Pennsylvania.



MODERN BULL HOUSING
Architect's drawing of new plant of Southeastern Pennsylvania Artificial Breeders' Cooperative.

CLYDE W. GSELL DISPERSAL

Catalog Summary		
29 Females 2y & over (12 calves under 3m sold with dams)	$14,680	$506.21
4 Bred yearlings	1,565	391.25
8 Open yearlings	2,175	271.88
7 Heifer calves over 3m	1,615	230.71
3 Bulls over 3m	1,310	436.67
51 head	$23,160	$454.12

The dispersal of the Clyde W. Gsell herd at Chambersburg, Pa., on November 9, recorded an average of $454 for 51 head and was considered a most successful sale. R. Austin Backus, Mexico, N. Y., and the Pennsylvania State Association were joint managers, with Mr. Backus as auctioneer. Prices went to $785 with a total of 17 going above the $500 mark.

The herd was Canadian-bred throughout and about one-third were daughters of the herd sire, Elmcroft Roadbuilder, a 5-year-old son of Montvic Rag Apple Triune and 704-lb. Elm Beauty Echo, with most of the females bred to him. His 22 offspring in the herd, 14 under one year and none over 3 years, brought $7385. Roadbuilder, himself, went at $600 to Edward Hendershott, McConnellsburg, Pa. Vaughn Madden, Maddensville, Pa., picked three daughters of Roadbuilder, all 3-year-olds, at $605, $600 and $500 respectively.

High price of the sale was $785 paid for Elmcroft Monogram Maud, a 459-lb. daughter of Montvic Monogram. She went to Benjamin Watkins III, Davidsonville, Maryland.

Maryland and Pennsylvania buyers took the entire offering as follows:

Benjamin Watkins III, Davidsonville, Md.
Elmcroft Monogram Maud (6-49) $785
C. J. Metz & Sons, Belleville, Pa. (2)
Bonnylawn Footprint Champion (5-46) 710
Lewis K. English, New Berlin, Pa. (4)
Bonnylawn Footprine Patriarch (5-46) 675
C. E. Reinman, Berlin, Pa.
Cove Creek Janet Ormsby (8-45) 630
Daniel S. Martin, Hagertown, Md.
Kayo Rag Apple Manila (2-45) 615
Vaughn Madden, Maddensville, Pa. (4)
Cedar Shade Rag Apple Pabst (5-46) 605
Cedar Shade Rag Apple Doris Kelley (11-46) 600
Cedar Shade Rag Apple Cherry (8-46) 500
Edward Hendershott, McConellsburg, Pa.
(M) Elmcroft Roadbuilder (7-44) 600
Joseph Witeof, Jr., Johnstown, Pa.
Cedar Shade Rag Apple Maud (11-47) 580
Norman Baker, Knobsville, Pa. (6)
Piebe Sylvia DeKol Burke (12-45) 575
Allen H. Martin, Hagerstown, Md.
Beth Ormsby Alcartra (1-44) 560
Duane Clark, Boswell, Pa. (2)
Female (uncataloged sale) 555
George Bridenbaugh, Martinsburg, Pa. (3)
Hartog Matilda Sylvia (2-40) 505
Humbercrest Pietje Alice (8-41) 500
Edgar M. Weber, Smithsburg, Md.
Ormsby Alcartra De Kol (1-46) 500
Joseph Witeof, Jr., Johnstown, Pa.
Lowmead Lyons Segis (8-45) 500

Other buyers were Paul R. Muse, Allentown; H. C. Gabler, Nevin E. Brubaker, Glen Brubaker, Chambersburg; George M. Heberling, Fred L. Heberling, Newburg; Elmer E. Yoder, Huntingdon; Ira L. Yoder, Selingsgrove; David G. Negley, Greencastle; Herman Ginder, Jr. & Joseph A. Hook, Mt. Joy; Aaron B. Good, Marietta; Bruce Dyarman, Oakville; J. H. Snowberger, Waynesboro; Minor Robinson, Ft. Loudon; Denver K. Ake, Martinsburg, Pa.; Ira M. Martin, Leon S. Price, Hagerstown; David Holder, Boonsboro; Crist H. Yoder, Irwin E. Yoder, Grantsville; Adin M. Weber, Edgar M. Weber, Smithsburg; Lloyd N. Forsyth, Clear Spring; and Paul B. Dern, Emmitsburg, Md.

Statistical data furnished by R. Austin Backus, Mexico, N. Y.

INTER-COLLEGIATE JUDGING AT PACIFIC INTERNATIONAL

Teams representing Washington State College, Oregon State College, Montana State College, University of Idaho, Colorado A. & M. College and University of British Columbia competed in an all-breed dairy cattle judging contest at the Pacific International Livestock Exposition October 8. I. R. Jones, professor of Dairy Husbandry at Oregon State College, was superintendent of the contest.

The Washington State College team, coached by Prof. A. O. Shaw, was the winner in the all-breed score, placing first in Holsteins, and Jerseys, and second in Ayrshires, Swiss and Guernseys. The University of Idaho team, coached by Prof. D. L. Fourt, was a very close second in the all-breeds, placing fourth in Holsteins and Jerseys and first in the other three breeds. Eugene Forrester of Washington State College team was high man in the contest with 1388 points out of a possible 1500. He was also high individual in judging Holsteins and Jerseys.

Recent Newspaper Slip: "John D won the senior championship with his yearning bull."

WASHINGTON STATE COLLEGE JUDGING TEAM, 1949
Winners of Inter-collegiate Dairy Cattle Judging contest, Pacific International, 1949. Front row, L. to R.: A. O. Shaw, coach; Eugene Forrester, high man of contest; Murray Anderson. Rear row: John Westergreen and Jack Crawford, alternate.

At Locvale it's . . .

McDonogh Gold Printer

1014608

Gold Printer is straight Dunloggin breeding—his sire is Dunloggin Pure Gold (full brother to Dunloggin Master Stroke, G. M., and Dunloggin Gold Master) and his dam is the 730-lb Dunloggin Printress, granddaughter of Woodmaster and maternal sister to the 909-lb. Dunloggin Fond Bango, former N. Y. State Fat Champion.

Gold Printer's use is on other Dunloggin bred animals in our herd—such as daughters of Dunloggin Matador Della and Dunloggin Master Oraaggie.

Gold Printer's Sons Availible

LOCVALE FARMS

J. HOMER REMSBERG **MIDDLETOWN, MARYLAND**

Son of this Proven Bull

For Sale—

CARNATION HEILO IMPERIAL "VG"

7 oldest daughters averaged 547 fat — 3.7%.

Elm Grove Imperial Faye "E" 2y 698.6 F - 3.5%
E.G.I. Lilly "VG" 3y 642F 3.7%
E.G.I. May "VG" 2y 517F 3.7%
E.G.I. Inez "GP" 2y 584F 3.7%
Elm Grove Imp. Tidy "VG"—1st 256d 402.7F 3.7% (Inc.)

Calf born May 1, 1949, about ¾ black.

Dam: Elm Grove Homestead Susan—"GP" **2y. - 621F - 4.1%**

Elm Grove Farms

310 East 4th St., N. Platte, Nebr.

Midwest Headquarters for Governor of Carnation Breeding.

MAYTAG SUNNYSIDE FOBES DELL Young son of "Dictator 52nd" 'Ex.) that was in service in the Marsh herd of Munnsville, U. Y., until his death early this fall. His dam is Maytag Ormsby Fobes Ellen with 598 F., 3.7% and 490 F. in her first 180 days on test this year.

Arthur Marsh, Munnsville, N. Y., of the partnership of Henry Marsh & Son, Henart Farm, took a trip to the Maytag Dispersal in search of a herd sire to replace Maytag Sunnyside Fobes Dell, their Maytag former sire that was lost this summer.

Mr. Marsh didn't get his bull at the Dispersal but a stop at the farm of John Newman & Sons, Culver, Ind., was productive. There he purchased a son of the Newman's $7000 Maytag Ormsby Fobes Dictator, recently classified Excellent and son of Maytag Ormsby Fobes from the Excellent 752-lb. Dictator Fobes Pontiac Lass, member of the 1948 All-American Produce of dam.

The dam of the new Marsh sire is a 2-year-old daughter of the old Posch Ormsby Fobes Eden sire that has made 509-pounds of fat in her first 299 days on 2X. She has two full sisters that made up the first produce of dam at the 1948 Indiana State Fair and her next four dams are all over 600 of fat on 2X.

A "BREEZE FAN"

R. P. Ullmann, The Ravulmn Farm, Manchester, Mich., passes along this letter he received from Francis E. Winslow, Grundy Center, Iowa. Mr. Winslow is a strong booster for Pabst Burke Breeze, he owning quite a number of Breeze daughters and having inseminated many of his cows artificially with Breeze semen. Mr. Winslow writes:

"One of our Breeze daughters, Elmwood Burke Fobes Piebe, has 184.5 lbs. fat in 110 days as a Junior 2-year-old on 2X milking. While this is not a sensational record we know it is good production for cows handled under ordinary farm conditions, standing in stanchions and being fed home grains. I think a lot of her and believe she will make a great foundation, which is good enough for me and I believe for any good dairyman. I have sold all of my Pabst Burke Breeze sons. As you know, these were calves from my cows, produced by artificial insemination with semen from Breeze, your great Burke sire. As you know, too, I have more animals bred to Pabst Burke Breeze and should have additional bulls to sell later."

HIGH HEDGE BUSINESS BRISK

Harvey W. Mathes, High Hedge, Menasha, Wis., reports that Delmar C. Richter, also of Menasha, has bought two sons of Wisconsin Burke Lad, the High Hedge son of Wis Ideal from Weber Burke Cyclone.

Arthur Mathes, Menasha, also bought a High Hedge youngster—a grandson of Pabst Roamer from a 4% daughter of Crescent Field Ormsby Butter Boy now promising close to 600 lbs. fat.

Another son of Wisconsin Burke Lad has been purchased by Jackel Brothers, Kaukauna, Wis. The dam in this case is a granddaughter of Pabst Roamer.

Does 4% Test Interest You?

King Belmont Ormsby Lad

754589

No.	Days Milked	No. Rec.	Milk	%	B. F.
2324590	305	2	15,012	4.0	595
2129052	305	2	12,419	4.5	558
2226923	305	2	10,489	4.6	482
2567954	305	1	10,999	4.2	467
2367958	305	1	11,074	4.2	462
2455792	305	1	11,370	4.0	456
2455796	287	1	10,301	4.4	449
2367972	305	2	11,118	4.0	444
2122540	305	2	8,932	4.8	425

(2X 305d — USDA Figures)

Artificial Services Available

— $50.00 —

Write Us.

The TILNEY FARMS

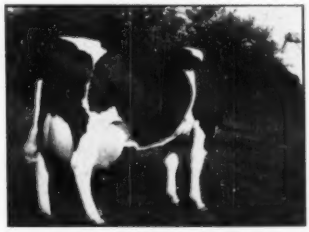
LEWISVILLE, MINNESOTA

Some Folks Like Our Admirals

We know they wouldn't please everyone, because there has seldom been a single animal, much less an entire herd as good as that. But most of the folks who have seen our daughters, granddaughters and great granddaughters of ADMIRAL ORMSBY FOBES of ROCK, at the farm, the shows and the sales, like their rugged size and their extreme dairy characteristics (a rare and sought-after combination).

We have breeding stock for sale, at reasonable prices, quoted either delivered or f.o.b. our farm. Why not drop us a line?

George Kieffer — Auburndale, Wis.



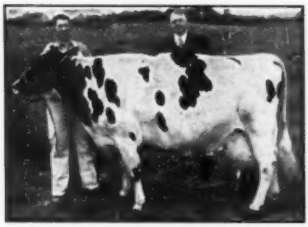
CANARY CARRIE OF BLOOMINGDALE

Just finished an official record for Moole Bell Farm, Three Bridges, N. J.—6y 365d 28,257 M. 953.5 F. 3X One of the largest records made in New Jersey in recent years.

NATIONAL CHAMPION DIES IN VIRGINIA

Charles R. Hope & Son, Round Oak Farm, Purcellville, Va. report the death on October 15 of their famous national champion producer, Pinelee Posch Millie Girl 2153759.

Millie won fame two years ago when she set up a new national championship record in the 305 day division 3X, with her record of 987.6 lbs. fat 29,311 lbs. milk. Both records are national championship records over all ages for our breed. In the same lactation she continued for the full 365 days and is credited with 1120.2 lbs. fat 32,765 lbs. milk 3.4%. This fat record rates sixth in the U. S. However none of the cows producing above her qualified also for a ten months record in the same lactation. Her milk record of 32,765 lbs. is the second highest ever made in the U. S. in this division.



PINELEE POSCH MILLIE GIRL
National champion Holstein over all ages 305 days 3X, and great lifetime producer recently lost by her owners Charles R. Hope and Son, Round Oak Farm, Purcellville, Va.

Millie had been on test constantly since her first calving as a junior 2-year-old, the first four lactations in DHIA work. Previous to her high record in AR she had performances at two, three, four and five years on 2X milking of 439.5 lbs., 655.8 lbs., and 778.3 lbs. She followed her high championship record with a herd test record on 3X as a 7-year-old of 989.8 lbs. fat 26,029 lbs. milk in 328 days, and was on test at the time of her death in HIR and DHIA in 8-year-old form with 572.8 lbs. fat 15,172 lbs. milk in 245 days. These last figures are the DHIA figures as the herd test record was not available quite up to completion. This gives her a lifetime total in 2376 days of 140,686 lbs. milk 5084.6 lbs. fat, quite a remarkable figure for a cow to turn out before reaching the age of 10 years.

Millie was bred by Denzill O. Lees, Hebron, O. A daughter of Fulton Sir Posch Creator 699291, who was by the well-known sire Decreamco Calamity Posch 25th. This is the breeding of W. L. Biddle & Son, Wauseon, O. Millie is buried at Round Oak Farm.

She has been a regular and prolific breeder. Her offspring include: Round Oak Ormsby Millicent, sold or $1200 in the Virginia State Sale (1946) to F. W. McComb, Bluemont, Va.; Round Oak Queen Bessie Millie Posch sold for $825 in the Virginia Holstein Sale (1946) to G. O.

CHRISTMAS GIFT SUGGESTIONS

For the Holstein Breeder on Your List

For the Office...

THE NEW STANDARD HERD REGISTER
Ideal for the small herd. Contains 50 female blanks, 3 male blanks, service record sheets, etc. (size 11½ x 9 inches). Plastic bound, heavy pressboard cover; opens flat for easy writing.
Price $2.00

MASTER HERD REGISTER
A 3-ring loose-leaf binder of top quality (Fabrikoid imitation leather). Waterproof. Will last a life-time. Sheets for 75 cows, 3 extra pedigree blanks, index, etc. Size 11½ x 9 inches.
Price $6.00
Extra blanks at $1.50 per 100; $1.00 for 50.

POCKET HERD REGISTER
A 2-ring binder of the same quality Fabrikoid, imitation leather, as the "Master." 87 blanks for females; 10 for males; service record blanks, index. Size 5¼ x 8¼ inches.
Price $4.00
Extra blanks at $1.00 per 100; 75c for 50.

BARN BOOK
A handy book to hang on a nail in the barn. Space for 50 cows and several year's breeding records, etc. Bound in heavy cream-colored paper. An inexpensive but useful gift.
Price $ .50

Also certificate envelopes for filing registration and transfer blanks at $1.50 per 100; $1.00 for 50; 40c per dozen. Milk Record Sheets for recording milk weights in the barn. Room for 12 cows for 31 days, 2X milking. $1.00 per dozen.

For the Bookshelf...

COWPHILOSOPHY
By Mark H. Keeney. Now in the 3rd printing of the 2nd revised edition. A leader in the field of dairy publications. A text book for the breeder, written in cowman's language, and by a practical dairyman.
Price $3.00
(Canadian breeders should contact the HOLSTEIN-FRIESIAN JOURNAL, Canadian distributors, of Cowphilosophy).

FEEDS AND FEEDING (21st edition)
By F. B. Morrison. The bible of livestock feeders and the standard reference book of scientists. Contains 1200 pages, more than 200 illustrations, handsomely and substantially bound. (See review page 28, Nov. 6 issue of WORLD).
Price $7.00

PRINCIPLES OF VETERINARY SCIENCE
By Frederick Brown Hadley, D. V. M. This is the veterinary book we have been waiting to see. Part 1 is devoted to a study of Anatomy and Physiology of Animals, and Part 2 to Animal Diseases. A very complete discussion in language understandable to the layman. 4th edition, completely revised; 521 pages, illustrated.
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Barren Cows Breed, Keep Cows Breeding, Abortion Plan, Abortion Blood Test, Artificial Insemination, Trichomonosis, Semen without service, Remove Afterbirth without pulling, Deliver Calves, Diagnose Pregnancy, Sterile Sires, Disease Prevention, Calfhood (Bang's) Vaccination, Udder Course and a working knowledge of the generative organs. The breeder's language is used. We use cows dead and alive. Let us send you a list of students in your section. Phone or visit them. Free return privilege. Same management thirty years. Ten thousand satisfied students. For Breeders and Herdsmen only. If the student is not successful, an instructor will be sent to the farm, then if he is not satisfied, the carfare and tuition will be refunded. Ladies admitted.

SCHOOL HELD FIVE DAYS—TUESDAY MORNING TILL SATURDAY NIGHT

Atlanta, Ga. Atlantan Hotel	Dec. 6-11
Fort Worth, Tex. Hotel Texas	Dec. 13-18
Richmond, Va. Hotel King Carter	Jan. 3-8
Newark, N. J. Hotel Riviera	Jan. 10-15
Cleveland, Ohio Hotel Allerton	Jan. 17-22
Chicago, Ill. Sherman Hotel	Jan. 31-Feb. 5
Kansas City, Mo. Pickwick Hotel	Feb. 7-12
Minneapolis, Minn. Dyckman Hotel	Feb. 14-19
Bismarck, N. Dak. Hotel Patterson	Feb. 21-26
Los Angeles, Calif. Hotel Alexandria	March 7-12
Portland, Ore. Washington Hotel	March 14-19
Ogden, Utah Hotel Ben Lomond	March 21-26

$75.00 pays round-trip carfare and tuition, if the carfare is not over $25.00. The owner of a herd of cows or a herdsman now employed can pay $10.00 cash and $10.00 a month by adding $2.50 extra. Send for a catalog which tells the whole story.

GRAHAM SCIENTIFIC BREEDING SCHOOL

216 East 10th St., Kansas City 6, Mo.

2764 (68)

Peltucs Jr., Keysville, Va. Her third calf Spitfire Ormsby Posch, a son is owned by John A. Hope, Jefferson, Md., and her fourth calf Spitfire Ormsby Cavalier, a son is owned by W. E. Fletcher, Ashburn, Va. The other three offspring are at Round Oak Farm. These are Round Oak Molly Pabst, and Round Oak Mistress Pabst, daughters of Pomona Pabst Commander, and the youngest Round Oak Montvic P F General born last February a son sired by the Round Oak Farm's senior herd sire Montvic Pathfinder Prizetaker recently earning the Gold Medal designation. They are planning to use the young "General" as a future herd sire.

Third Edenland Sale

43 Females 2 Yrs. & Over	**$17,825**	**$414.53**
(10 calves under 3 mos. s. w. d.)	**1,180**	**118.00**
3 Bred Yearlings	**1,325**	**441.67**
1 Open Yearlings	**360**	**360.00**
3 Heifer Calves over 3 mos.	**470**	**156.67**
50	**$21,160**	**$423.20**

The third Edenland Sale held at the John A. Newman & Sons Bull Barn, Culver, Indiana, October 19th proved to be another successful sale of high quality cattle well accepted by the buyers. An enthusiastic crowd of six hundred from 10 different states attended the sale although the beautiful October day was a beautiful five-year-old cow for $625.00

The cattle went to forty-two buyers from four states for an average of $423.20 on 50 head.

Dr. F. Murray Thompson of Marion, Indiana purchased Al-Beth Ormsby Jean, a beautiful five-year-old cow for $615.00 to top the sale. She was consigned by Clair Campbell, North Judson, Indiana who had a very outstanding consignment of 4 cows which averaged $596.00.

Riley Farms of Union City, Michigan, were the heaviest buyers taking ten head for a total of $4,835. These are the nucleus for what should be a fine herd in the future.

Nine head sold for over $500.00 with eleven head going to Michigan, three to Ohio and one to Arkansas with the balance staying in Indiana.

The sale was very capably managed by John A. Newman & Sons, with C. B. Smith in the box. He was assisted by Herb Miller who made the announcements and Harry Bridge and Horace Walker in the ring. Dick Hannon and Carl Haring did a fine job of presenting the cattle.

Following is the list of buyers, with details of animals selling above $500:

Dr. F. Murray, Thompson, Marion, Indiana (2)
Al-Beth Ormsby Betsy (10-45) $625.00
(Clair B. Campbell, North Judson)
Riley Farms, Union City, Michigan (10)
Culver Eden Paul Etta (2-45) 600
Walnut Peak Mary Dean Eden (4-46) 600
(John A. Newman & Sons, Culver)
Al-Beth Ormsby Evelina (3-44) 550
(Clair B. Campbell, North Judson)
Walnut Peak Rose Dean Eden (3-46) 520
(John A. Newman & Sons, Culver)
Lakeland Manor Eden Floss (4-45) 500
(R. J. Korth, Warsaw)
Ivan Meeker, Burnettsville, Ind. (1)
Al-Beth Ormsby Jean (7-44) 600
(Clair B. Campbell, North Judson)
John A. Newman & Sons, Culver, Ind. (3)
Tip-K-Nu Pauline Dean Fannie (3-47) 510
(Jesse G. Warmbrod, Kewanna)
Kalb & Roth, Goshen, Indiana (1)
Smoker Canary Dictator Prospect (10-47) 500
(Charles Smoker, Goshen)
Walter H. Arn, Convoy, Ohio (1)
Granger Eden Ormsby Barb (10-45) 500
(Everett Earl Rookstool, Claypool)

Other buyers were: Cecil M. Fields, Kewanna; Dr. R. E. Long & Sons, Monterey; Russell Reif, Burnettsville; Edward Klein, Union Mills; Hosea & Louis Rosebaugh, Warsaw; Cloyde R. Earp, Kewana; C. Lloyd Morphet, Royal Center; Stanley S. Boggs, Mentone; Myles, Janet and Freddie Fry, Camden; Robert Wikman, Culver; C. W. Durbin, Logansport; Fred Awald, South Bend; Hugh Quivey, Plymouth; Robert J. Roberts, Gary; C. Wolf & D. Thompson, Walkerton; Beeson & Bartck, Warsaw; Marion Gohn, Rochester; Ross Osborn, Syracuse; Harold Kuehenbuck, Kendallville; Dick Hannon, Kouts; Roy Frieden, Wanatah; Wm. Roeder, Monterey; Robert Samuelson, Plymouth; Camilla Ann Douglas, Converse; James Mickow, Hamlet; Clarence Miller, Angola; Dormand E. Mikesell, Kenneth Williams, Culver; Randall Schwarzhoff, Laporte; C. L. Lutz, Peru; A. W. Jennens, Akron; Ind, Doan Straub, Galien, Mich.; Chas. Smith, Bismark, Ark.; Vernon Caffee, Wiltshire; Clifford F. Schoodt, Convoy, Ohio.

Statistical data and report furnished by Earl Marti, LaCrosse, Ind., Sein. Indiana H.-F. Ass'n.

Alfred M. Paper Dispersal

Catalog Summary

30 Females 2y & over	$14,495	$483.17
(16 calves under 3m		
2 Bred Yearlings	**850**	**425.00**
3 Open Yearlings	**1,005**	**335.00**
3 Heifer Calves over 3m	**725**	**241.67**
11 Bulls over 3m	**4,560**	**414.55**
49	**$24,000**	**$489.80**

The well-known herd of Alfred M. Paper & Sons Stockton, Ia., was sold at auction October 24 at Mississippi Valley Fair grounds, Davenport, under management of A. W. Petersen. The offering of 49 head plus 16 calves, was taken by 39 Iowa and Illinois buyers. The Paper herd was supplemented by 9 head consigned by four other Iowa breeders. The 40 head in the Paper herd, averaged separately, made a figure of $514. The herd had been in herd test for years and was prominent in Iowa shows. Dunloggin blood lines were prominent. Top selling animal was the young herd sire, Skokie Prince Confident, a son of Dunloggin Lochinvar Prince out of a 707-lb 2½-year-old daughter of Dunloggin Confident and Dunloggin La Ella. Model Dairy Farm, Davenport, Ia., paid $1550 for him. Top price for females was $1000 for the 4-year-old Alexiana

(Continued on page 73)

ADVANCED REGISTRY REPORTS

Holstein-Friesian Association of America

Advanced Registry Report No. 17

ADVANCED REGISTRY

Of the 167 records listed in this report, 2 were made in Classification 4X, 66 in Classification 3X and 99 in Classification 2X. There are 76 records in the Ten-Months Division and 91 records in the Yearly Division.

The highest record reported in this issue was made by Lauxmont Admiral Carrie 2010166 (VG), who at the age of 9 years, 10 months, has produced 24323 lbs. milk, 4.2% and 1022.7 lbs. fat in 365 days in Classification 4X. There were five different supervisors employed in the conduct of the test. She was bred by Lauxmont Farms, Wrightsville, Pa., and is owned by Silvis Farms, Inc., Greensburg, Pa. This is the third consecutive year that this cow has made a record over 1000 lbs. fat. Her other two 1000-lb. records were also made in 365 days in Classification 4X. At 7 years, 1 month of age she produced 27093 lbs. milk, 4.1% and 1120.1 lbs. fat. She came back the next year at 8 years, 4 months and produced 25342 lbs. milk, 4.1% and 1035.6 lbs. fat. She also has two earlier records made in Classification 3X in 365 days. At 2 years, 4 months she produced 16470 lbs. milk, 4.4% and 717.3 lbs. fat. At 5 years, 8 months she made 19244 lbs. milk, 4.1% and 798.4 lbs. fat. Her sire is Admiral Lauxmont 696612, who has 47 tested daughters, 2 with over 1000 lbs. fat, 2 others over 950 lbs. and a total of 7 daughters over 800 lbs. The dam of the three times 1000-lb. cow is **Lauxmont Rag** Apple Gelsche 1728113, who at 2 years, 1 month of age produced 16561 lbs. milk, 3.6% and 595.9 lbs. fat in Classification 3X in 365 days, qualifying for a record in the Ten-Months Division in the same lactation. The dam has one other Advanced Registry daughter, Lauxmont Admiral Giralda 1936946, a full sister to the 1000-lb. cow, who at the age of 2 years, 1 month, made a record of 12346 lbs. milk, 3.8% and 463.0 lbs. fat in 305 days in Classification 3X, carrying calf 211 days to qualify for the Ten-Months Division.

There are eight other records from 800 to 902 lbs. fat reported in this issue. The second highest record cow is also owned by Silvis Farms, Inc. She is Mountain View Little Josie Slam 2738172 (GP), who at 5 years of age produced 24187 lbs. milk, 3.7% and 902.0 lbs. fat in Classification 4X in 365 days.

New state leaders are reported in seven different states, Colorado, Oregon, Wisconsin, Ohio, Rhode Island, Utah and Virginia. Oregon has two new state champions, one owned by Lindow Brothers, and the other by President S. B. Hall.

NEW STATE LEADERS

Ten-Months Division

COLORADO

	Milk	%	Fat
Woodcraft Lady Successor Watson 2478139 2X 3-10 C.C. 194d Burt H. Chrisman, Littleton, Colo.	12936	3.8	492.5

OREGON

	Milk	%	Fat
Linmere Hazel Lois 2806252 (GP) 3X 2-4 C.C. 200d Lindow Brothers, Portland, Oreg.	12463	4.6	577.3

WISCONSIN

	Milk	%	Fat
Pabst Robel Cornflower 2669795 (G) 3X 2-6 C.C. 211d Pabst Farms, Inc., Oconomowoc, Wis.	15759	4.3	681.5

Yearly Division

OHIO

	Milk	%	Fat
Windy Shade Dunloch Wayne Canary 2677022 (G) 2X 2-0 C.C. 169d Sam J. Johnson, West Chester, Ohio	16805	3.6	612.1

RHODE ISLAND

	Milk	%	Fat
Westholm Jane Direct 2556415 (GP) 2X 4-8 C.C. 171d George F. Causey, Wakefield, R. I.	15737	3.9	619.3

OREGON

	Milk	%	Fat
Hallrose Queen Ann 2638641 (GP) 2X 2-6 C.C. 185d S. B. Hall, Troutdale, Oreg.	14207	4.0	574.0

UTAH

	Milk	%	Fat
Stadacona Creamelle Clothilde 2427175 2X 3-6 C.C. 108d Spring Creek Ranch, Inc., Logan, Utah	12889	3.9	499.0

VIRGINIA

	Milk	%	Fat
Round Oak Duchess Pabst 2822805 (G) 3X 1-10 C.C. 232d Charles R. Hope & Son, Purcellville, Va.	18885	3.7	695.2

TEN-MONTHS DIVISION 3X

Name of Cow, Sire, Breeder and Owner	Age Y.	Age M.	L. of R.	Car. Calf	Milk Lbs.	% Fat	Fat Lbs.
Full-Aged Class							
Carnation Homestead Lady Segis 2313759 (Governor of Carnation) B. & O., Carnation Milk Farms, Seattle, Wash.	6	2	305	161	19147	3.9	746.7
Pabst Fobes Prairie 2181825 (GP) (Sir Bess Ormsby Fobes 73d) B. & O., Pabst Farms, Inc., Oconomowoc, Wis.	7	9	284	161	17801	4.0	705.6
Erindale Lauxmont Lady 2497489 (Lauxmont Admiral Ideal) B., A. J. O'Connor, Flint, Mich. O., Jack R. Budd, Belleville, Mich.	5	6	305	184	17881	3.8	687.8
Margaret Man-O-War Combine 2065688 (Man-O-War Combine) B., John Alexander, Baraboo, Wis. O., Clyman Farms, Inc., Watertown, Wis.	9	7	305	207	18975	3.3	620.9
Illehee Belle 2808783 (E) (Illehee Inka Jewel) B., W. J. Fraser, Streetsville, Ont. O., Amcana Farms, East Morris, Conn.	8	0	260	136	16395	3.7	601.5
Piebe Hilken Pabst 2446204 (GP) (Shungavalley Pabst Sir Hilken) B., B. R. Gosney, Mulvane, Kans. O., Toney L. Morrow, Norman, Okla.	7	0	288	213	17335	3.4	583.5
Maytag Ormsby Fobes Sunnyside 2418804 (VG) (Maytag Ormsby Fobes) B. & O., Maytag Dairy Farms, Inc., Newton, Iowa	5	0	305	160	15845	3.5	555.6
Carnation Hello Princess Inka 2290368 (Carnation Governor Imperial) B. & O., Carnation Milk Farms, Seattle, Wash.	6	9	271	183	11238	3.8	423.6
Senior Four-Year Class							
Pabst Burke Barbetta Modest 2411951 (E) (Wisconsin Admiral Burke Lad) B. & O., Pabst Farms, Inc., Oconomowoc, Wis.	4	10	305	176	15792	4.0	632.0
Junior Four-Year Class							
Carnation Parthenea 2544121 (Governor of Carnation) B. & O., Carnation Milk Farms, Seattle, Wash.	4	1	305	215	12524	3.9	486.3
Senior Three-Year Class							
Golden Hope De Kol Walker 2537423 (Montvic Lochinvar) B., B. Olin Backus, Mexico, N. Y. O., Cashman Farm, Hopewell Junction, N. Y.	3	6	305	225	15661	3.6	558.6
Knollwood Chief-Var Sarah 2508101 (GP) (Montvic Chieftain Lochinvar) B. & O., Daniel I. Mayne, Rochester, N. Y.	3	9	305	169	14740	3.6	537.2
Hill-Man Fayne Felecia 2595083 (Milco Felecia Hoesly Star) B., Hill-Man Farms, Rockford, Ill. O., Baird Brothers, Waukesha, Wis.	3	6	305	230	15673	3.2	507.8
Carnation Cinderella Inka Lassie 2544122 (Governor of Carnation) B. & O., Carnation Milk Farms, Seattle, Wash.	3	11	305	207	13306	3.8	506.3
Osborndale Miss Olive Lochinvar 2541876 (GP) (Montvic Lochinvar) B., Mrs. Waldo S. Kellogg, Derby, Conn. O., Thomas N. Nagle, Webster, N. Y.	3	10	305	209	13936	3.6	500.0
R M F Admiral Frances 2539293 (Homeland Admiral) B. & O., McLaury Brothers, Portlandville, N. Y.	3	7	305	172	13918	3.3	454.3
Bellevue Design Ormsby Alta 2592333 (Design Again) B. & O., Bellevue Farms, Hyattsville, Md.	3	8	305	210	11643	3.6	418.9
Junior Three-Year Class							
Yankton Korndyke Colantha Louise 2571637 (Yankton Korndyke Ormsby Pietertje) B., Yankton State Hospital, Yankton, S. Dak. O., Donald C. Freeman, Lebanon, Ohio	3	0	305	158	16724	3.4	564.1

(Continued on page 73)

Name of Cow, Sire, Breeder and Owner	Age Y.	Age M.	L. of R.	Car. Calf	Milk Lbs.	% Fat	Fat Lbs.
Senior Two-Year Class							
Pabst Robel Cornflower 2669795 (G) (Pabst Roamer)	2	6	305	211	15759	4.3	681.5
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.			State Leader				
B D I Gladly Carols 2668477 (GP) (Rose Hill Emperor Governor)	2	8	305	151	15483	3.8	594.8
B. & O., U. S. Dairy Division, Beltsville, Md.							
Carolea Marol Ormsby 2647087 (GP) (Osborndale General Ormsby)	2	7	305	163	14999	3.7	557.3
B., Mr. and Mrs. Luther A. Carrier, Fulton, N. Y. O., Thomas N. Nagle, Webster, N. Y.							
Bond Haven Sovereign Betsy 2865382 (Rowsdale Rag Apple Sovereign)	2	9	305	199	11128	4.0	450.6
B., C. J. Cerswell, Beeton, Ont. O., Cashman Farm, Hopewell Junction, N. Y.							
Ionia Marathon Masterpiece 2678577 (GP) (Ionia Marathon Model Aaggie)	2	10	288	213	10240	3.8	386.3
B. & O., Ionia State Hospital, Ionia, Mich.							
Junior Two-Year Class							
Round Oak Duchess Pabst 2822805 (G) (Pomona Pabst Commander)	1	10	305	172	16447	3.6	584.6
B. & O., Charles R. Hope & Son, Purcellville, Va.							
Linmere Hazel Lois 2806252 (GP) (Hallrose Hazel Inka)	2	4	305	200	12463	4.6	577.3
B. & O., Lindow Brothers, Portland, Oreg.			State Leader				
Willow Lake De Kol Esther 2850174 (GP) (Hartholm Answer)	2	5	305	216	13248	3.3	440.1
B., J. R. Jackson, Woodstock, Ont. O., Thomas N. Nagle, Webster, N. Y.							
Edmac Woodsman Pride 2687741 (Dunloggin Woodsman)	2	3	305	163	12334	3.5	436.9
B., W. J. MacHarrie, Boston, Mass. O., Otco Farms, Strongsville, Ohio							
Butterfly Rita Var 2678655 (Montvic Lochinvar)	2	5	305	173	13300	3.3	433.2
B., R. Austin Backus, Mexico, N. Y. O., Otco Farms, Strongsville, Ohio							
TEN-MONTHS DIVISION 2X							
Full-Aged Class							
Winterthur Fobes Great Yajalo 2419853 (GP) (Posch Ormsby Fobes 14th)	5	1	305	184	20245	3.8	779.3
B. & O., H. F. duPont, Winterthur, Del.							
Kneedmore Blue Belle Wayne 2d 2235397 (GP) (Wooddale Segis Burke Lighting)	7	2	305	163	18842	3.7	703.7
B. C. A. Rhead & J. A. Salmon, Pittsford, Mich. O., Kneedmore Holstein Farms, Pittsford, Mich.							
Bess Quality Johanna Aaggie 2390895 (VG) (Adohr Johanna Prince)	6	7	305	178	16698	3.9	651.2
B., C. J. Segerstrom & Sons, Santa Ana, Calif. O., Excelsior Ranch Co., Ltd., Garden Grove, Calif.							
Mallary Farm Mistress Anne 2343039 (GP) (Tyler Farms Posch Master)	6	1	305	235	17703	3.5	622.4
B., R. DeWitt Mallary, Bradford, Vt. O., Nelson Pendleton, Lyndonville, Vt.							
Janet Toitilia Sylvia 2441825 (VG) (Brandon De Kol Sylvius)	7	1	305	161	18252	3.3	607.7
B., Wm. Johnston, Solsgirth, Man. O., Harvey A. Nelson & Sons, Union Grove, Wis.							
Weblie Segis Gent 2495123 (VG) (Carnation Country Gentleman)	5	3	305	188	16477	3.5	578.2
B., Robt. G. Webb, Lehi, Utah. O., Theodore F. Christoph, Chilton, Wis.							
Culver Paul Inka Rue Dolly 2074355 (VG) (Culver Creamelle Canary Paul)	8	11	305	179	13002	3.7	483.7
B., John A. Newman, Culver, Ind. O., John A. Newman, Culver, Ind.							
Elahome Nig Cornflower Veeman 2280294 (Pabst Sir Premier Cornflower)	6	6	305	193	13887	3.4	476.6
B. & O., Emerson Ela, Rochester, Wis.							
Thendara Corona Empress Taurus 2281539 (F) (Winterthur Fobes Great Taurus)	5	10	305	218	13315	3.5	471.0
B., Thendara Herd, Syracuse, N. Y. O., Raoul E. Laime, Putnam, Conn.							
Elahome Nig Creator 2d 2425070 (Pabst Sir Premier Cornflower)	5	4	305	203	11929	3.8	452.3
B. & O., Emerson Ela, Rochester, Wis.							
Senior Four-Year Class							
Eileen Ormsby Posch Fobes 2318216 (Sir Piebe Ormsby Posch Segis)	6	0	305	195	13221	3.4	448.2
B. & O., Beckman Brothers, Genoa City, Wis.							
Hallrose Pauline Tritomia 2320135 (E) (Hallrose Progressor)	6	1	305	242	11545	3.7	428.6
B. & O., S. B. Hall, Troutdale, Oreg.							
Rollins Arvella Madcap Rita 2288799 (V.G.) (Madcap Rollins)	6	9	255	146	10903	3.3	364.6
B., Stone House Farm, Inc., Durham, N. H. O., Grant D. Langdon, Copake, N. Y.							
Senior Four-Year Class							
Rollins Cuba Florence Madcap 2421121 (G) (Madcap Rollins)	4	11	258	173	10378	3.4	355.9
B., Stone House Farm, Inc., Durham, N. H. O., Grant D. Langdon, Copake, N. Y.							
Junior Four-Year Class							
Winterthur Fobes Posch Yinis 2491074 (VG) (Posch Ormsby Fobes 14th)	4	5	305	174	17627	3.7	658.0
B. & O., H. F. duPont, Winterthur, Del.							
Gray View Wisco Pearl 2468166 (GP) (Governor Pearl Fobes Pontiac)	4	0	281	211	14089	3.5	492.1
B. & O., Harvey A. Nelson & Sons, Union Grove, Wis.							
Lauxmont L Pearl De Kol 2482718 (GP) (Lauxmaster)	4	0	305	183	10598	3.7	388.3
B., Lauxmont Farms, Wrightsville, Pa., Otto Civil, Owner. O., Sam J. Johnson, West Chester, Ohio							
Appalachian Cornucopia Ormsby 2452672 (GP) (Fultona Senator Champion)	4	4	261	178	9679	3.8	364.2
B. & O., Appalachian State Teachers College, Boone, N. C.							
Senior Three-Year Class							
Silvis Farm Susette Esteem 2539435 (Pabst Eminent)	3	6	305	199	13983	4.3	595.2
B. & O., Silvis Farms, Inc., Greensburg, Pa.							
Woodcraft Lady Successor Watson 2478139 (Woodcraft Wimple Successor Fobes)	3	10	305	194	12936	3.8	492.5
B., Modern Woodmen of America Sanatorium, Woodmen, Colo. O., Burt H. Chrisman, Littleton, Colo.			State Leader				
Correction Colony Lassie 2586007 (Boys Home Ormsby Romeo)	3	10	305	211	9910	3.6	351.9
B. & O., Milwaukee County House of Correction, Milwaukee, Wis.							
Rollins Dewdrop 3027499 (G) (Madcap Rollins)	3	11	305	205	9968	3.5	349.8
B., Stone House Farm, Inc., Durham, N. H. O., Grant D. Langdon, Copake, N. Y.							
Junior Three-Year Class							
Winterthur Winner Fobes Akan 2578345 (GP) (Winterthur Select Dad Winner)	3	3	305	174	11076	4.2	466.6
B. & O., H. F. duPont, Winterthur, Del.							
Kanstacol Eyebright Quaintness 2700562 (Pabst Sir Monsander Eyebright)	3	1	305	190	13502	3.4	458.5
B. & O., Kansas State College, Manhattan, Kans.							
Elahome Daisy Premier 2702249 (Pabst Sir Premier Cornflower)	3	3	305	216	14282	3.2	456.8
B. & O., Emerson Ela, Rochester, Wis.							
Winterthur Victor Segis Alsmendo 2601986 (GP) (Winterthur Fobes Posch Victor)	3	5	305	209	12086	3.8	454.5
B. & O., H. F. duPont, Winterthur, Del.							
Susie Moncnder Rag Apple 2589772 (Tyler Farms Master Lee)	3	3	305	208	11075	3.9	433.6
B. & O., Beckman Brothers, Genoa City, Wis.							
Jean Ormsby Piebe Carnation 4th 2589771 (Chieftain Tenth Colantha)	3	4	305	194	13347	3.1	415.8
B. & O., Beckman Brothers, Genoa City, Wis.							
Jonabell Marigold 2564777 (Jonabell Commando)	3	5	305	165	10420	4.0	414.5
B. & O., John A. Bell, Jr., Sewickley, Pa.							
Martyholm Inka Fobes 3d 2613699 (GP) (Oostie Premier King)	3	5	302	186	11431	3.6	406.6
B., Fred C. Marty, Monticello, Wis. O., Theodore F. Christoph, Chilton, Wis.							
Pabst Roabar Pearl 2605379 (G) (Pabst Roamer)	3	2	305	203	10563	3.7	386.1
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Senior Two-Year Class							
Exranco Perfection Select 2692196 (VG) (Exranco Perfection)	2	7	305	173	14432	3.5	507.3
B. & O., Excelsior Ranch Co., Ltd., Garden Grove, Calif.							
Sutten Oaks Var Beth 2636539 (Dunloggin Strath Var)	2	7	305	208	13150	3.8	492.4
B. & O., J. A. Sutten, Visalia, Calif.							
Carnation Maybess Pontiac Lass 2697487 (Carnation Renown)	2	7	305	219	12723	3.8	479.9
B., Carnation Milk Farms, Seattle, Wash. O., Wm. P. Musselman, Newtown, Pa.							
Segis Pontiac Fobes May 2733965 (Holwyn Fobes Pontiac)	2	11	285	224	12048	3.8	456.8
B., H. J. Edwards, Johnstown, Ohio. O., Harold Montgomery, Johnstown, Ohio							
Sutten Oaks Sexton Helene 2792229 (Sutten Oaks Var Sexton)	2	6	305	215	10216	4.2	431.3
B. & O., J. A. Sutten, Visalia, Calif.							
Sutten Oaks Strath Var Bessie 2651499 (Dunloggin Strath Var)	2	8	305	181	11974	3.6	427.9
B. & O., J. A. Sutten, Visalia, Calif.							
Katy Chieftain Ormsby 2644387 (Chieftain Fobes Rosa)	2	11	305	158	11542	3.5	409.0
B. & O., Beckman Brothers, Genoa City, Wis.							
Tyler Farms P Rag Apple Tidy 2707361 (Tyler Farms Rag Apple Prince)	2	9	287	235	10924	3.7	399.8
B., John B. C. Tyler, West Newbury, Vt. O., Nelson Pendleton, Lyndonville, Vt.							
Sutten Oaks Var Dewdrop 2660848 (Dunloggin Strath Var)	2	6	305	197	11019	3.5	380.2
B. & O., J. A. Sutten, Visalia, Calif.							

Name of Cow, Sire, Breeder and Owner	Age Y.	Age M.	L. of R.	Car. Calf	Milk Lbs.	% Fat	Fat Lbs.
Sutten Oaks Confident Lassie 2654251 (Sutten Oaks Var Confident)	2	8	305	217	9014	3.3	299.6
B. & O., J. A. Sutten, Visalia, Calif.							
Junior Two-Year Class							
Woodcraft Successor Changeling 2618544 (Woodcraft Wimple Successor Fobes)	2	4	305	194	12022	3.7	439.7
B., Modern Woodmen of America Sanatorium, Woodmen, Colo. O., Burt H. Chrisman, Littleton, Colo.							
Sutten Oaks Var Vale 2651500 (Dunloggin Strath Var)	2	5	305	200	11107	3.9	432.9
B. & O., J. A. Sutten, Visalia, Calif.							
Mallary Farm Rag Apple Victoria 2675195 (Mallary Farm Rag Apple Lieutenant)	2	4	305	209	11815	3.6	422.6
B., R. DeWitt Mallary, Fairlee, Vt. O., Nelson Pendleton, Lyndonville, Vt.							
Twin County Della Lassie 2899055 (Twin County Felix Patriarch)	2	2	305	186	8641	4.0	345.3
B. & O., N. W. Lee & Son, New London, Ohio							
Jonabell Pure Silk 2716155 (Jonabell Knight)	2	1	305	188	8487	3.8	325.7
B. & O., John A. Bell, Jr., Sewickley, Pa.							
Correction Lorian Esteem 2801671 (Boys Home Cardo)	2	0	305	196	8519	3.4	289.1
B. & O., Milwaukee County House of Correction, Milwaukee, Wis.							
Kyland F B Ollie 2765828 (Kyland Fobes Burke)	2	2	305	175	8580	3.3	281.9
B., W. D. Kyle, Jr., Oconomowoc, Wis. O., Roger Shideler, Huntington, Ind.							
YEARLY DIVISION 4X							
Full-Aged Class							
Lauxmont Admiral Carrie 2010166 (VG) (Admiral Lauxmont)	9	10	365	—	24323	4.2	1022.7
B., Lauxmont Farms, Wrightsville, Pa. O., Silvis Farms, Inc., Greensburg, Pa.							
Mountain View Little Josie Slam 2738172 (GP) (Supreme Grand Slam)	5	0	365	48	24187	3.7	902.0
B., J. T. Tully, Peterboro, Ont. O., Silvis Farms, Inc., Greensburg, Pa.							
YEARLY DIVISION 3X							
Full-Aged Class							
Pabst Burke Moncade Wayne 2359749 (E) (Wisconsin Admiral Burke Lad)	5	5	360	175	22612	3.9	892.9
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Lady-Doug Di-Lady-Burk Gerb Colan W 2428775 (GP) (Douglas Buttercup Hark)	5	0	365	156	21960	4.0	881.3
B. & O., U. S. Dairy Division, Beltsville, Md.							
Montvic Empress Doreen 2652990 (VG) (Emperor Montvic)	7	1	365	156	20405	4.2	862.8
B., T. B. Macaulay, Hudson Heights, Que. O., Sallie M. Nagle, Webster, N. Y.							
Jewel Pride Arlene Iva Irene 2271656 (Newmont Arlene Lad)	6	7	365	159	20389	4.2	851.3
B., Carroll H. Landon, New Haven, Vt. O., Cashman Farm, Hopewell Junction, N. Y.							
T F Ace Man-O-War Sib 2282000 (GP) (Turner Farm Ace)	6	3	365	227	25064	3.3	817.1
B., Henry Lesch, Dunkirk, N. Y. O., J. C. Turner & Howard W. Waite, Cassadaga, N. Y.							
Dora Pontiac Inka Georgia 2699351 (Inka De Kol George)	6	0	365	—	22036	3.6	800.2
B., Thomas J. Johnston, Inkerman, Ont. O., Elmwood Farms, Lake Forest, Ill.							
Turner Farm Posch Sarcastic 2350408 (GP) (Rowsdale Pietje Posch Tom)	5	3	365	46	21892	3.6	782.1
B. & O., J. C. Turner & Howard W. Waite, Cassadaga, N. Y.							
Knollwood Rag Apple Barbara 2312152 (VG) (Montvic Chieftain 7th)	6	3	365	150	19617	3.8	754.5
B. & O., Daniel I. Mayne, Rochester, N. Y.							
Lindendell Dora Plus 2d 2257537 (Clover Lawn Educator Sensation)	6	2	365	55	21316	3.5	754.5
B., Walter H. Schlicher, Hartland, Wis. O., Baird Brothers, Waukesha, Wis.							
Edmac Premier Lois 2582535 (Carnation Imperial Premier)	5	0	365	—	18646	3.8	710.1
B., W. J. MacHarrie, Westboro, Mass. O., Len-A-Dee-Acres-Dairy-Farm, Lagrangeville, N. Y.							
Sunny Grove K C O I Bittersweet 2375710 (King Constance Ormsby Ideal)	5	8	365	208	18191	3.5	639.2
B., Paul Sterusky, Little Falls, N. Y. O., Paul & Martin Sterusky, Little Falls, N. Y.							
Maytag Ormsby Fobes Sunnyside 2418804 (VG) (Maytag Ormsby Fobes)	5	0	365	220	17085	3.5	603.0
B. & O., Maytag Dairy Farms, Inc., Newton, Iowa							
Iowana Ormsby Lassie 2215696 (E) (Sir Ormsby Fobes Dictator)	7	9	341	182	17252	3.5	596.2
B., E. H. Maytag, Newton, Iowa. O., Maytag Dairy Farms, Inc., Newton, Iowa							
Senior Four-Year Class							
Skokie Mistress Grace 2433808 (Dunloggin Woodmaster)	4	6	365	168	19920	3.9	770.1
B., J. Natwick & Co., Ellicott City, Md. O., Elmwood Farms, Lake Forest, Ill.							
Pabst Burke Barcader Prince 2382372 (G) (Wisconsin Admiral Burke Lad)	4	10	365	90	18344	3.9	709.3
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Pabst Burke Barbetta Modest 2411951 (E) (Wisconsin Admiral Burke Lad)	4	10	365	236	17748	4.0	709.0
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Hodgsondale Rag Apple Canary 2748381 (VG) (Raymondale General Pluto)	4	10	365	173	18600	3.2	599.8
B., Est. of Charles Hodgson, Hudson Heights, Que. O., J. C. Turner & Howard W. Waite, Cassadaga, N. Y.							
Junior Four-Year Class							
Tyler Farms Rag Apple Woodside 2507972 (G) (Montvic Rag Apple Gladiator)	4	0	365	111	18345	3.6	664.7
B. & O., John B. C. Tyler, West Newbury, Vt.							
S P S M Lulu Inka 2500149 (VG) (Osborndale Oliver Sir Ormsby)	4	5	331	145	17386	3.6	633.6
B. & O., State Prison of Southern Michigan, Jackson, Mich.							
Senior Three-Year Class							
St Croixco Jean Buttercup Ormsby 2556871 (Wimbledon Ollie Emperor)	3	6	365	135	15641	4.0	629.1
B., St. Croix County Asylum, New Richmond, Wis. O Baird Brothers, Waukesha, Wis.							
Knollwood Chief-Var Sarah 2508101 (GP) (Montvic Chieftain Lochinvar)	3	9	365	229	16335	3.7	608.8
B. & O., Daniel I. Mayne, Rochester, N. Y.							
Sunny Grove K C O I Rita 2531226 (King Constance Ormsby Ideal)	3	11	365	—	16896	3.5	558.8
B., Paul Sterusky, Little Falls, N. Y. O., Paul & Martin Sterusky, Little Falls, N. Y.							
Osborndale Miss Olive Lochinvar 2541876 (GP) (Montvic Lochinvar)	3	10	326	230	14621	3.6	529.1
B., Mrs. Waldo S. Kellogg, Derby, Conn. O., Thomas N. Nagle, Webster, N. Y.							
Junior Three-Year Class							
Lady-Hark Burk Pride Gerb Col Wayne 2531888 (F) (Douglas Buttercup Hark)	3	3	365	104	20352	3.9	802.1
B. & O., U. S. Dairy Division, Beltsville, Md.							
Pabst Burke Julia 2529846 (G) (Wisconsin Admiral Burke Lad)	3	2	365	59	17907	3.9	700.0
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Redfield Gypsie Bettina Ione 2550252 (VG) (Redfield Gypsie Bettina Belle)	3	4	365	179	16736	3.5	584.0
B. & O., State School & Home, Redfield, S. Dak.							
Senior Two-Year Class							
Pabst Robel Cornflower 2669795 (G) (Pabst Roamer)	2	6	365	271	17517	4.3	758.6
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
B D I Gladly Carols 2668477 (GP) (Rose Hill Emperor Governor)	2	8	365	211	17238	3.9	679.9
B. & O., U. S. Dairy Division, Beltsville, Md.							
Carolea Marol Ormsby 2647087 (GP) (Osborndale General Ormsby)	2	7	365	223	17160	3.7	642.9
B., Mr. and Mrs. [illegible] O., Thomas N. Nagle, Webster, N. Y							
Redfield Model Segis Piebe 2592601 (GP) (Redfield Model Piebe)	2	9	365	216	12396	4.3	529.4
[illegible]							
Clover Lawn Ormsby Princess 2590439 (Osborndale Sir Fobes Spitfire)	2	11	365	168	16328	3.2	528.9
B., Arthur Puls, Allenton, Wis. O., Baird Bros., Waukesha, Wis.							
Junior Two-Year Class							
Pabst Regal Canary 2722392 (G) (Pabst Regal)	2	1	365	204	18817	4.1	777.1
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Round Oak Duchess Pabst 2822805 (G) (Pomona Pabst Commander)	1	10	365	232	18885	3.7	695.2
B. & O., Charles R. Hope & Son, Purcellville, Va.	State Leader						
Hill-Man Sally Bonheur 2600462 (Mancryco Chieftain Bonheur)	2	5	365	123	19580	3.5	684.4
B., Hill-Man Farms, Rockford, Ill. O., Baird Brothers, Waukesha, Wis.							
B D I Gallant Lady 2668479 (P) (Rose Hill Emperor Governor)	2	5	365	120	16033	3.6	583.8
B. & O., U. S. Dairy Division, Beltsville, Md.							
Lady Govebur Piebe Gercol Hero 2661578 (F) (Rose Hill Emperor Governor)	2	3	365	43	14019	4.1	568.9
B. & O., U. S. Dairy Division, Beltsville, Md.							
B D I Inino Arla 2668481 (Threeply-Nine-O-Five Line-Gerb-Colan)	2	1	365	37	11449	4.2	482.4
B. & O., U. S. Dairy Division, Beltsville, Md.							
Willow Lake De Kol Esther 2850174 (GP) (Hartholm Answer)	2	5	314	225	13581	3.3	451.8
B., J. R. Jackson, Woodstock, Ont. O., Thomas N. Nagle, Webster, N. Y.							
YEARLY DIVISION 2X							
Full-Aged Class							
Dunloggin Fond Belle 2201620 (Dunloggin Fond Memory)	7	2	365	126	19848	3.7	736.7
B., J. Natwick & Co., Ellicott City, Md. O., J. A. Sutten, Visalia, Calif.							

Name of Cow, Sire, Breeder and Owner	Age Y.	Age M.	L. of R.	Car. Calf	Milk Lbs.	% Fat	Fat Lbs.
Mallary Farm Mistress Anne 2343039 (GP) (Tyler Farms Posch Master)	6	1	315	245	17854	3.5	628.4
B., R. DeWitt Mallary, Bradford, Vt. O., Nelson Pendleton, Lyndonville, Vt.							
Bonheur Jane of Blueberry Hill 2642670 (VG) (Bonheur Chieftain)	7	3	365	124	18359	2.9	531.6
B., J. A. Brown, Glenelm, Que. O., Cyril W. Knibb, Pascoag, R. I.							
Winterthur Select Nebska Xolka 2327913 (G) (Winterthur Posch Great Select)	6	1	365	—	14402	3.6	512.8
B. & O., H. F. duPont, Winterthur, Del.							
Eileen Ormsby Posch Fobes 2318216 (Sir Piebe Ormsby Posch Segis)	6	0	365	255	14719	3.5	508.9
B. & O., Beckman Brothers, Genoa City, Wis.							
Culver Paul Inka Rue Dolly 2074355 (VG) (Culver Creamelle Canary Paul)	8	11	347	221	13418	3.7	501.9
B. & O., John A. Newman, Culver, Ind.							
U of A Double Posch Duenna 2474759 (Posch Ormsby Fobes Double)	5	0	230	159	11743	3.9	455.5
B. & O., University of Arizona, Tucson, Ariz.							
Woodcraft Anggie Peerless Fobes 2203903 (VG) (Carnation Peerless Butter King)	7	11	365	206	11867	3.7	441.9
B., Modern Woodmen of America Sanatorium, Woodmen, Colo. O., Burt H. Chrisman, Littleton, Colo.							
Wisconsin Klazerina 2d 2191574 (Admiral Beechwood Montvic)	6	6	365	—	11528	3.6	415.3
B. & O., Emil Titel, Glenbeulah, Wis.							
Swiss Valley Lassie Ormsby 2461546 (GP) (Delrose Anggie Ormsby Lad)	6	3	345	173	9465	4.1	384.3
B., John Raess, Colbert, Wash. O., S. B. Hall, Troutdale, Oreg.							
Senior Four-Year Class							
Dupine Carnation Bonny Franey 2447848 (VG) (Carnation Artison)	4	9	365	22	19310	3.3	639.4
B. & O., Grimes Brothers, Harrisburg, Oreg.							
Westholm Jane Direct 2556415 (GP) (Ormsby Pietertje Direct Fobes)	4	8	365	171	15737	3.9	619.3
B., Harry A. West, Thompsonville, Conn. O., George F. Causey, Wakefield, R. I.							
Lauxmont O R Radesta 2442272 (GP) (Lauxmont O Rose Lad)	4	7	365	180	13363	4.4	584.6
B., Lauxmont Farms, Wrightsville, Pa. O., Sam J. Johnson, West Chester, Ohio							
Junior Four-Year Class							
Pabst Roamer Barlane 2497933 (VG) (Pabst Roamer)	4	0	365	—	18232	3.7	675.4
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Great Home Ideal Canary Fayne 2470709 (VG) (Correction Ideal Judge)	4	4	365	99	17099	3.8	654.9
B. & O., Crest Home Farm, Belgium, Wis.							
Appalachian Betty Ormsby 2452669 (GP) (Fultona Senator Champion)	4	2	365	—	13848	3.9	538.4
B. & O., Appalachian State Teachers College, Boone, N. C.							
Edwarnos Nuulilies Ormsby 2465313 (Edwarnos Sir Butter King Nudine)	4	3	322	150	13399	3.4	451.3
B. & O., Edward M. Arnos, Adrian, Mich.							
Beauty Spot Tovarich Burke 2514475 (VG) (Osborndale Sir Tovarich Ormsby)	4	5	365	—	9695	4.6	443.1
B. & O., Norman E. Rishel, York, Pa.							
Lauxmont L Pearl De Kol 2482718 (GP) (Lauxmaster)	4	0	348	226	10990	3.7	403.0
B., Lauxmont Farms, Wrightsville, Pa., Otto Civil, Owner. O., Sam J. Johnson, West Chester, Ohio							
Senior Three-Year Class							
Silvis Farm Susette Esteem 2539435 (Pabst Eminent)	3	6	365	259	14858	4.3	639.7
B. & O., Silvis Farms, Inc., Greensburg, Pa.							
Winterthur Winner Fobes Zistina 2523500 (GP) (Winterthur Select Dad Winner)	3	11	365	218	12413	4.1	508.8
B. & O., H. F. duPont, Winterthur, Del.							
Woodcraft Lady Successor Watson 2478139 (Woodcraft Wimple Successor Fobes)	3	10	331	220	13284	3.8	506.8
B., Modern Woodmen of America Sanatorium, Woodmen, Colo. O., Burt H. Chrisman, Littleton, Colo.							
Stadacona Creamelle Clothilde 2427175 (Carnation Stadacona)	3	6	365	108	12889	3.9	499.0
B., A. H. Poston & Sons, Spokane, Wash. O., Spring Creek Ranch, Inc., Logan, Utah							
Hilltop Lily Agnes 2772661 (Hartholm Snowstorm Dewdrop Boy)	State Leader						
B., Donald A. McRae, Lancaster, Ont. O., Charles Stroh, Suffield, Conn.	3	6	365	189	12200	3.9	473.2
Canary Anggie Segis Lass 2869715 (Rawleigh Canary Buttercup)	3	11	360	55	13527	3.5	470.9
B., Ralph W. Mapp, Urbana, Ohio. O., Robert G. Ripley, Urbana, Ohio							
Ormsby Belle Moole Joy 2691278 (Dunloggin Designer)	3	11	299	—	8678	4.1	359.3
B., L. W. Nisbet, Loveland, Ohio. O., Edward M. Arnos, Adrian, Mich.							
Junior Three-Year Class							
Nowisco Fobes Makida Puss 2605275 (King Tidy Fobes of Ventnor)	3	4	365	197	14344	3.8	549.4
B. & O., No. Wis. Colony & Training School, Chippewa Falls, Wis.							
Napstahos Estrella Duke Fayne 2588408 (Napstahos Duke Gettle De Kol)	3	5	365	211	13121	3.7	487.3
B. & O., Napa State Hospital, Imola, Calif.							
Jean Ormsby Piebe Carnation 4th 2589771 (Chieftain Tenth Colantha)	3	4	351	240	14190	3.2	447.5
B. & O., Beckman Brothers, Genoa City, Wis.							
Susie Moncader Rag Apple 2589772 (Tyler Farms Master Lee)	3	3	313	216	11172	3.9	438.1
B. & O., Beckman Brothers, Genoa City, Wis.							
Culver Eden Ormsby Millie 2634790 (Posch Ormsby Fobes Eden)	3	5	302	152	11450	3.8	431.2
B. & O., John A. Newman, Culver, Ind.							
Pabst Ronbar Pearl 2605379 (G) (Pabst Roamer)	3	2	352	250	11291	3.7	419.7
B. & O., Pabst Farms, Inc., Oconomowoc, Wis.							
Edwarnos Ormsby Ina Dame 2584025 (Osborndale Sir Oliver Ormsby)	3	3	365	173	9941	3.6	362.4
B. & O., Edward M. Arnos, Adrian, Mich.							
Harlequin Woodsman Della 2540654 (F) (Harlequin Fond Woodsman)	3	3	339	—	8904	3.6	319.7
B. & O., Mrs. Leslie Thorne Kountze, Lenoir, N. C.							
Senior Two-Year Class							
Exranco Perfection Select 2692196 (VG) (Exranco Perfection)	2	7	365	233	16193	3.6	578.7
B. & O., Excelsior Ranch Co., Ltd., Garden Grove, Calif.							
Hallrose Queen Ann 2638641 (GP) (Hallrose Progressor)	2	6	365	185	14207	4.0	574.0
B. & O., S. B. Hall, Troutdale, Oreg.	State Leader						
Sutten Oaks Var Beth 2636539 (Dunloggin Strath Var)	2	7	338	241	13961	3.8	529.7
B. & O., J. A. Sutten, Visalia, Calif.							
Hallrose Mollie 2576823 (GP) (Hallrose King Hazel)	2	9	365	99	9885	4.5	442.0
B. & O., S. B. Hall, Troutdale, Oreg.							
Sutten Oaks Strath Var Bessie 2651499 (Dunloggin Strath Var)	2	8	330	206	12492	3.5	441.5
B. & O., J. A. Sutten, Visalia, Calif.							
Katy Chieftain Ormsby 2644387 (Chieftain Fobes Rosa)	2	11	365	218	12327	3.6	439.9
B. & O., Beckman Brothers, Genoa City, Wis.							
Sutten Oaks Var Dewdrop 2660848 (Dunloggin Strath Var)	2	6	323	215	11441	3.5	395.0
B. & O., J. A. Sutten, Visalia, Calif.							
Sutten Oaks Var Lucinda 2651502 (Dunloggin Strath Var)	2	9	260	—	11873	3.0	360.7
B. & O., J. A. Sutten, Visalia, Calif.							
Junior Two-Year Class							
Windy Shade Dunloch Wayne Canary 2677022 (G) (Dunloggin Lochinvar)	2	0	365	169	16805	3.6	612.1
B. & O., Sam J. Johnson, West Chester, Ohio	State Leader						
Culver Eden Ormsby Nancy 2720465 (Posch Ormsby Fobes Eden)	2	2	365	207	17038	3.3	567.5
B. & O., John A. Newman, Culver, Ind.							
Windy Shade Dun Lochinvar Flo 2677020 (GP) (Dunloggin Lochinvar)	2	2	365	212	14741	3.6	524.3
B. & O., Sam J. Johnson, West Chester, Ohio							
Ball Farm Lochinvar Bonheur 2709901 (Osborndale Sir Piebe Lochinvar)	2	2	365	155	12819	3.9	498.2
B. & O., Edgar G. Ball, Elwood, Ind.							
Woodcraft Successor Changeling 2618544 (Woodcraft Wimple Successor Fobes)	2	4	338	227	12746	3.7	468.7
B., Modern Woodmen of America Sanatorium, Woodmen, Colo. O., Burt H. Chrisman, Littleton, Colo.							
Windy Shade Posch Belle Olline 2677019 (GP) (Winterthur Posch Ormsby Fobes)	2	1	365	—	13059	3.5	456.2
B. & O., Sam J. Johnson, West Chester, Ohio							
Hallrose Segis Lucy 2638642 (GP) (Hallrose King Hazel)	2	3	365	195	10929	3.9	431.5
B. & O., S. B. Hall, Troutdale, Oreg.							
Great Home Lad Pietertje Jane 2800822 (G) (Newmont Ideal Lad)	2	0	365	209	11722	3.4	392.7
B. & O., Great Home Farm, Belgium, Wis.							
Kyland F B Ollie 2765828 (Kyland Fobes Burke)	2	2	319	189	8908	3.3	292.7
B., W. D. Kyle, Jr., Oconomowoc, Wis. O., Roger Shideler, Huntington, Ind.							

PROGRESSIVE BREEDERS' REGISTRY

Nine Progressive Breeders' Registry awards are reported in this issue.

A new mark has been established by Ionia State Hospital, Ionia, Mich., in qualifying for this honor for the eleventh consecutive year. They are the first and only breeders in the United States to meet the requirements for this highest of awards all eleven years since Progressive Breeders' Registry has been organized.

N. P. Becker, Almena, Wis., has received the award for the fifth consecutive year. He is the fourth breeder in Wisconsin to qualify five or more consecutive years. He is the 21st breeder in the United States to receive the Progressive Breeders' Registry certificate five times or more.

E. G. Klooz & Sons, Sullivan, Ohio, have received the award for the third consecutive year. They are the fifth breeders in Ohio and were the 60th in the United States that have met the requirements three times or more.

P. G. Boerger & Son, Marysville, Ohio, are the tenth breeders in Ohio; Charles V. N. Davis & Son, Somerville, N. J., the fourth in New Jersey; Merrill N. Warnick & Sons, Pleasant Grove, Utah, the second in Utah; Ernest C. Strobeck, Macedon, N. Y., the fourteenth in his state; James Golden, Friendship, Wis., the 34th in his state, and J. C. Garver, Lancaster, Pa., the fourteenth in his state to qualify. These six breeders brought the total for the United States to 167 members of Progressive Breeders' Registry.

In addition to the achievements shown for each of these herds in the following table, the owners are members of the state associations and the national association, and the herds have met the health requirement for tuberculosis and Bang's disease.

PROGRESSIVE BREEDERS' REGISTRY

Name and Address	No. Years	Animals Reg'd.	No. Fresh'd.	Bred by Owner		Avg. Prod.	Classif. Score
Ionia State Hospital, Ionia, Mich.	11 Consec. yrs.	71	45	44	27-3X	526.6	81.8
N. P. Becker, Almena, Wis.	5 Consec. yrs.	18	12	12	11-2X	477.0	80.5
E. G. Klooz & Sons, Sullivan, Ohio	3 Consec. yrs.	21	13	13	10-2X	472.6	83.2
P. G. Boerger & Son, Marysville, Ohio	1 yr.	20	11	10	11-2X	471.9	82.5
Chas. V. N. Davis & Son, Somerville, N. J.	1 yr.	70	48	47	44-2X	440.0	80.2
J. C. Garber, Lancaster, Pa.	1 yr.	35	22	19	20-2X	401.8	81.1
James Golden, Friendship, Wis.	1 yr.	21	14	14	10-2X	406.7	81.2
Ernest C. Strobeck, Macedon, N. Y.	1 yr.	32	20	18	17-2X	471.0	82.8
Merrill N. Warnick & Sons, Pleasant Grove, Utah	1 yr.	22	16	13	16-2X	443.5	82.2

LEO R. BLANDING, Advanced Registry Dept.

ALFRED M. PAPER DISPERSAL

(Continued from page 68)

Jewel, a daughter of Dunloggin Dutch Master. She was Best Udder winner at the All-Iowa Fair this year. Allied Mills, Libertyville, Ill. were the largest buyers at the sale. The herd sire, Illiana La Master, the senior herd sire, three years old ,was purchased by Robert L. Carson, Iowa City, for $625. His offspring were well appreciated.

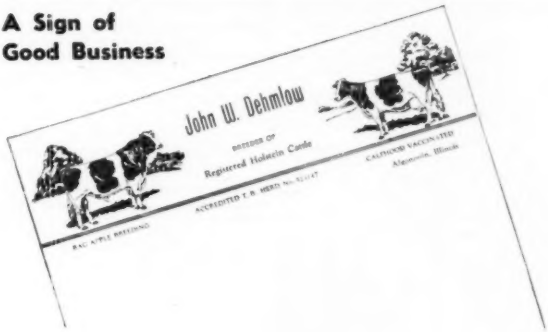
Contributing consignors were A. J. Johnson, Elkader, Iowa, Albert C. Timm, Muscatine, Iowa, and Model Dairy Farms, Davenport. Auctioneers were J. E. Mack, Robert Seitz and H. L. Wilckens.

Following is the buyers' list, with details of animals selling over $500.

Model Dairy Farm, Davenport, Iowa (4)
(M) Skokie Prince Confident (12-47) $1550
Bess Hoesly Plebe (12-41) 600
Allied Mills, Libertyville, Ill. (6)
Alexiana Jewel (12-44) 1000
Miss Illianna Kathleen (1-44) 650
Illianna Bessie Ollie Corella (11-42) 560
Illianna Lochinvar Cornelia (12-46) 500
Lawrence Huenke, Bellevue, Iowa
Illianna Mistress Pauline (10-45) 660
Miss Liela Illianna (9-45 530
Miss Norene Illianna (5-47) 500
Robert L. Carson, Iowa City, Ia. (3)
(M) Illianna La Master (1-46) 625
Illianna Lochinvar Sadie (7-47) 550
Giles Bros., W. Des Moines, Ia.
Rockrest Ila Pride (5-46) 550
Rockcrest Grace Pride (4-46) 525
Argil Ormsby Parthenea Princess (5-45) 500
J. F. Frederick and Ben Behrens, Walnut, Ill. (3)
Illianna La Mistress Susan (12-47) 510
Albert C. Timm, Muscatine, Ia.
Illianna Mistress Colleen (11-45) 510
Thos. D. Toplin, Sabula, Ia.
Holdane Moole Blossom Babe 500
E. Forest Robertson, Long Grove, Ia.
Miss Irene Illianna (5-46) 500

Other buyers were Henry Schluetar, Durant; Waldo Kluener, Walcott; Ray H. Kahler, Stockton; Ralph J. Keppy, Eldridge; Harland Hetzler, Muscatine; Howard Fountain, Iowa City; A. C. Fenton, Muscatine; Wayne Fraser, Cambria; Clarence Clausen, Eldridge; A. H. Brus, Long Grove; Eugene Ehrecke, Montpelier; Waldemuth Dairy Co., E. Moline; Harry Wollerlick, Davenport; Harold Hetzler, Muscatine; Kenneth Taplin, Bellevue; James R. Tompkins, Marengo; Allan Robertson, Walcott; W. D. Ripley, Muscatine; L. J. Smith, Hedrick; C. Stoverook, Clarence; A. Segilman,

A Sign of Good Business



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Four Generation (8½x14)	3.00	3.50	4.50	6.00
Five Generation (8½x14)	5.00	6.00	7.50	10.00
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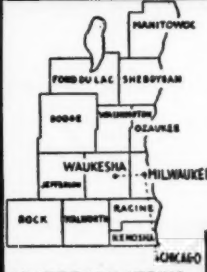

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Statistical data furnished by A. W. Petersen, Oconomowoc, Wis.

H. J. ROTHENBURGH DISPERSAL

(Held Oct. 12-13 at Montgomery, N. Y., under the management of R. Austin Backus, Mexico, N. Y.)

(Catalog Summary)		
89 Females 2 Yrs. & Over	**$32,395**	**$363.99**
(20 calves under 3 mos. s.w.d.)	**1,425**	**71.25**
20 Open Yearlings	**4,285**	**214.25**
13 Heifer Calves over 3 mos.	**2,140**	**164.62**
5 Bulls over 3 mos.	**1,690**	**338.00**
127	**$41,935**	**$330.20**

The buyers and details on $500 purchaess:

Russel V. Hodge, Roscoe, N. Y.
Lilly Lyons De Kol (2-47) $615
M. C. Conrad, Dover Plains, N. Y. (4D)
F D F Carol Bonheur (1-46) 600
Queen Posch Rag Apple Mafnate (1-44) 600
Bonheur Pabst Daisy (6-44) 560
Bainholm Rag Apple Dolly (3-45) 540
Hello Mutual Echo (4-45) 535
Potaco Segis Blend (5-43) 525
(M) Miller Acres X Burke 510
Veeman Pontiac Echo Jewel (10-42) 500
Joan De Kol McCol (1-41) 500
Echo Bessie Educator (2-44) 500
Donbrook Cheryl Prospect (8-44) 500
Duarm Ollie Paulette (11-44) 500
Willa Rag Apple Sylvia (12-46) 500
Ruth Reborn Keyes (6-44) 500
Aaggie Hello Pontiac Echo (11-43) 500
E. J. Crawford, Pine Bush, N. Y.
Bella Korndyke De Kol (1-47) 500

Other buyers were: Julius Westheimer, Middleburg; H. Shimer, Montgomery; Lyle Wood, Warwick; Earl Porteur, Oneonta; Renier Thieben, Washingtonville; C. A. Stark, Goshen; John S. McLean, Warwick; Edward Menendez, Walden; Joseph Brill, Stone Ridge; Arnold Sorkin, Johnson; Alice Brach, Montgomery; Wilbur Myers, Jeffersonville; John McMullen, Unionville; Wm. Langridge, Jr., Trivoli; C. Glorie, Eaton; Marie C. Gibson, Goshen; Joseph Fleischman, Pine Bush; Everett B. Hawkins, Montgomery; Robert Huke, Chester; Neil Deraway, Canastota; Henry E. Coleman, Monroe; Frank D. Cuddeback, Cuddebackville; Chas. Baker, Youngsville; John F. Bargfrede, Youngsville; Chester Roberts, Joseph Rakowiecki, Salisbury Mills; M. H. Rockefeller & Son, Germantown; Hector Reyns, Rock Tavern, N. Y.; Elmer Morris, Augusta; Anthony Stepin, Hudson, A. A. Risse, Sparta, N. J.; E. S. Gillette & Sons, Bristol, Conn.

Statistical data furnished by R. Austin Backus, Mexico, N. Y.

FARM POPULATION DECLINING

Census Bureau figures show that since 1910 the number of persons on farms has decreased 13.4%. In round figures there were 32,077,000 persons on farms in 1910 while in 1949 the figure is 27,776,000.

During this same period non-farm population has almost exactly doubled, increasing from 59,895,000 in 1910 to 119,673,000 in 1949.

Obviously farming is being done more efficiently these days with improved seed, methods and machinery.

More Ohio Visits With Ted

Driving back through the Buckeye State again in October to attend the International Dairy Exposition at Indianapolis provided another opportunity to call on some more of the good Holstein herds of Ohio. Again stopping overnight with the Burdicks at Otco Farms, we learned of the recent demise of Dunloggin Woodsman, whose battered old lumpy jaw finally forced them to dispose of him. Dr. E. S. Harrison was with me on this trip, keeping a weather eye open for December Earlville Sale Consignments. We haven't had final word yet from Otco, but if all goes well there will be an outstanding group of four young daughters of their Admiral bull plus a high record bull calf. The Admiral bull, to refresh your memory, is a son of Dunloggin Gracious Master out of Lauxmont Admiral Lucinda, one of the high record daughters of Admiral Lauxmont. His oldest daughters are only yearlings, but they are developing so uniformly the deep middles and straight tops we all like to see that this bull is coming in for an increasing part in the Otco breeding program.

We talked G. A. Burdick into riding on to Indianapolis with us, and got away early enough Wednesday morning to call on Bill Baldwin at Willeben Farms at Lexington, and Bouic Bros. at Marysville on the way.

Willeben

They have developed over twenty 100,000-lb. cows in this Colony-bred herd, which is one of the 25 herds in the nation that have been on HIR test continuously for the entire 20 years this department has been in existence. Their 20-year average on 38 head is 404 lbs. fat, with a 423-lb. fat average for their last test year.

At present they are using four herd sires. One is a son of Rock River Hengerveld Al, popular Gold Medal Clyde Hill Farms Foundation bull from one of the noted Marathon-bred Clyde Hill dams. Another is a son of Pabst Burke Valley, the son of Burke that Bill Baldwin once had at the head of his own herd (now at M. & F. Dellinger's). The dam of this bull is a grand old brood cow from the former Baldwin herd. The other two bulls are both Colony bred sires.

Bob Ripley

The day after the judging was finished at the International I headed back east on Route 40 to Springfield, Ohio and then north to Urbana in the beautiful Miami Valley, to call on Bob Ripley. He's an interesting and enthusastic Holstein fan, and an ex-electrical engineer. For the past six years he has been building on Carnation bloodlines, and by now is sharpening his aim even finer to concentrate the Hazelwood blood of Lola and Tilda through their sons, Hallrose Progressor, and Carnation Black Magic. He is building the land, improving the buildings, and plans for a future herd of about 80 milking animals (only 11 at present).

The first Carnation bull used here was Dabar Homestead Carnation (now dead) who has 5 daughters in the herd, two of them in milk with first calf and producing 50 lbs. a day. He was a son of Carnation Bracelet Homestead.

The second was Carnation Imperial Homestead King, purchased from Douglas Hart of Ontario, Canada, and one of the very first-born sons of Imperial. He'll soon be 13 years of age. He has 106 tested daughters ,and is proven on 42 pairs (ROP) with an average of 474 lbs. fat, 3.69%, 12835 lbs. milk at 3y 30d of age, all 2X milking. This sire is still living and in heavy service. He has 11 daughters in the Ripley herd. Dam of this bull is Carnation Ormsby Hazelwood Walker with 914 lbs. fat, she from the full sister to the dam of Governor of Carnation.

Bull number three is Carnation Cedric Inspiration, a son of Carnation Inspiration (former Carnation and Wimbledon sire now in service in Wisconsin). The dam is Carnation Heilo Bessie Ormsby, a first-calf daughter of Imperial in the Carnation herd. This flashy young sire has been a county fair blue ribbon winner and placed 6th in the 2-year-old class at the Ohio State Fair.

The fourth Carnation bull had not yet been shipped from Carnation Farms, but he'll be in Urbana by the time this appears in print. He is by Hallrose Progressor and out of Carnation Tilda Heilo Laura, the oldest daughter of Carnation Black Magic, with 553 lbs. fat, 4% test as a 2-year-old. The next dam is a 664-lb. 4.2% daughter of Imperial.

Ripley is starting his second year of AR testing on 2X milking. He has made some good two-time records during the past year, with cows milking up to 98.7 lbs. on 2X. Important brood cows at present are 7 daughters of Carnation Inspiration himself. The important young fellow of the future behind this expanding operation is Bob's 14-year-old grandson who is destined someday to be the master of Ro-Co-Da Farm.

Clark Biddle

The last time I had been here, Clark and his father, the late W. L. Biddle, of Wauseon, Ohio, had recently purchased the bull King Bessie Senator Burke to follow on the daughters of their previously proven sire, King Bessie Ormsby Pietertje 83rd. In the 10 years that have elapsed, two new generations of Holsteins have appeared here, both by Rag Apple sires.

The first of these was Smith Haven Rag Apple Doughboy. He now has 7 daughters in the herd milking with first and second calf, and 5 daughters in the neighboring D. J. Stutzman herd with over 500 lbs. fat as 2-year-olds. This sire was a son of Montvic Rag Apple Ajax from Linwood De Kol Rose with 816 lbs. fat on 2X milking and a lifetime record of 113,000 lbs. milk, 3.7% test and 4110 lbs. fat. Her dam is an Excellent cow and the next dam was a blue ribbon 4-year-old at the CNE.

The present sire purchased in the 1946 All-Canadian Sale, is one of the nicest type sons of Sovereign you will find anywhere, Smith Haven Rag Apple Sovereign, out of the same dam as "Doughboy." His oldest daughters are coming breeding age now, exceptionally attractive yearlings that hold great promise for the future.

Clark took me over to the Stutzman place for a brief visit before I headed

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for Lansing, Michigan and the Wolverine Sale. They are milking 8 head here, including the Doughboy daughters, and made an HIR average last year of 534 lbs. fat. They are breeding at present to the Biddle Sovereign son.

Rowland & Ringler

Harry B. Rowland & Son and his neighbor, H. J. Ringler first appeared in the **World** early this year after their purchase last winter of Confideen Melody Master in the Fleetwings Farms dispersal. Rowland has been in DHIA work for 22 years, and this year is heading for a 500-lb. fat average. The herd includes three 100,000-lb. cows, and daughters of several of the prominent bulls in artificial service over the country, including Femco Alma's Only Son, Clove Valley Supreme Satisfaction, and General Rag Apple Posch, in addition to a number of bulls in the Northern Illinois Artificial Breeding Association. Along with the Melody Master bull they are currently using a son of Raymondale Ideal Successor purchased from J. O. Fenstermaker.

In the Ringler herd you will find a number of nice things sired by Kelco Ormsby Posch King, a former herd sire by the Gold Medal bull, Osborndale Sir Oliver Ormsby King.

The Melody Master calves are coming now—nice, uniform, dark colored youngsters.

H. B. Owens & Son

I had met Harold Owens (the son) at the International the week before, and pulled into their place near Homerville about dusk just as he was getting the cows in for the evening milking. It was a fine way to look them over, as they crossed the road one by one ahead of the car.

This is one of Ohio's fine farmer-style herds. They had a 443-lb. 2X herd average last year, with 452, 453 and 507 lbs. averages for the three previous years, and with a 10-year production history on the herd, the last five in HIR, all 2X milking. They have an outstanding white cow family in the herd, headed by a 13-year-old matron that will soon have over 100,000 lbs. for her tested lactations in the Owens herd, she with one 100,000-lb. daughter in the herd and about 1/3 of the entire herd her descendants.

Some of the nicest mature cows were daughters of Inka Supreme Governor, a 3/4 brother to Inka Supreme Posch formerly in artificial service in Ohio. Their former sire, Pabst Wayne Dane, a son of Pabst Barta Prilly Wayne from Weber Burke Dana (621 lbs. at 2y), left some nice daughters. His dam is one of the Utah-bred daughters of Burke that came to Pabst Farms. This sire is now in the Tiffin bull association. Another former sire, Sir Dean Barbetta Fobes 6th, bred by the Dellingers, is also in artificial service in Ohio in the Central association at Columbus.

They are presently using two bulls of Winterthur breeding. The older one is a 2-year-old son of Pabst Winterthur Zeus, Winterthur's son of "Burke," from the 815-lb. 3-year-old "Valo" by Posch Ormsby Fobes 14th. This bull's first crop of calves, just babies, have the neatest rumps and tail settings you'll ever see on calves of this age, and uniformly, right down the line.

Their young bull is by an Excellent son of Winterthur Select Dad Winner formerly in service there, out of an Excellent cow of their own breeding. If any of you readers would like to see an interesting father and son operation that looks like a success, we'd suggest a visit at the Owens', only a mile or less south of Homerville

M. R. Moomaw

Mart Moomaw has been a leader in Ohio Holstein affairs for a good many years and is now a director in the National Association, in addition to his every day job as manager of a large cooperative producers organization with headquarters in Canton, a directorship in the American Dairy Association and activities in other national organizations in the

FOR SALE

Dark, yearling bull Rag Apple breeding. Dam has 440 lbs. fat with first calf. Granddam has 600 lbs.; sire's dam has 565 lbs. with a 4.5% test. Maternal granddam has 700 lbs. and is classified Excellent. **Price $400.**

EMIL WESENBERG
Chippewa Falls Wisconsin

TAURUS OFFERED

Raoul E. Laime, Pomfret Center, Conn., advises his Sakura Herd, founded 90% on Thendara-Winterthur breeding, will finish the first year with the creditable average of 14,000 milk; 485 fat, A. R. and DHIA, 2X. Most of the herd are daughters of Winterthur Fobes Great Taurus (proof at Thendara, 27 pairs, +1474 m., +56 f.). Taurus is by the Excellent, Gold Medal, Honor List sire, Fobes 14th. He has a Gold Medal full brother, Viscount, and three sisters, two being full sisters, now all over 800 lbs. fat, 2X. Taurus' issue are widely distributed.

We have bulls of this breeding reasonably priced.

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dairy field. He has a nice little farm on the edge of Canton where he makes his home, and where he has been using Carnation herd sires since 1931. His first Carnation bull was owned jointly with R. H. Barr, and was named Carnation Ambassador, a bull that made quite a name for himself around Ohio a decade ago. He has sampled a few promising sons and grandsons of Ambassador, so that this blood is still well represented in the milking herd.

His present herd sire is Carnation Heilo Wayne, owned jointly with Walter Hazen of Alliance. This bull is a son of Imperial from an 890-lb. fat daughter of Carnation Peerless, next dam a 1068-lb. fat daughter of Carnation Prince. His first 6 daughters average 485 lbs. fat on DHIA with first calf. First and 2nd calf daughters at Moomaw's include three with from 535 to 584 lbs. on 2X.

Gene Crum

Gene, along with Ransom Barr and Walter Hazen also bottles, pasteurizes, homogenizes and retails his own milk. He was with Walker-Gordon for five years, then came to Canton with the Singer Dairy, ultimately purchasing the farm, herd and dairy business from Mr. Singer. We understand he paid for the place at the rate of $1000 a month out of operating income—which indicates not only good management on Gene's part, but also a highly profitable producing herd of Holsteins.

He has two mature herd sires there now, Wimbledon Aristocrat and Carnation Acme. Aristocrat is 6 years old, a son of Carnation Emperor from a daughter of Inka the Great that has 10 AR records, 5 of them over 600 lbs. fat. Gene has had this bull for only one year, he having been used previously in Marvin Cook's PBR herd.

The Acme bull, an 8-year-old, is by Imperial and from a daughter of Peerless (the same combination as the Moomaw-Hazen Imperial bull). This fellow is proven with a 406-lb. fat, 3.8% average on his daughters, with an increase for every bracket. Four of his daughters have over 600 lbs. fat.

He has also used Carnation Responsible a son of Carnation Renown from a daughter of Governor, now in service at Marvin Cook's. Former sires include Carnation Governor Ormsby Pontiac, a full brother to Carnation Pathfinder that was at Richman Farm, Lodi, from a 1000-lb. fat dam—and a son of Matador Segis Ormsby 13th from a daughter of Sir Inka May. There are mature daughters of these two former sires in the herd, including a "Pontiac" with five 500-lb. records, and one by "13th" with 760 lbs. on 2X. The herd made a 428-lb. average last year for 28 head.

Walter Hazen

Unfortunately Walter was out on the route when we called. Ransom and Mart knew some of the cattle, and Mr. Hazen's herdsman was helpful in pointing out the daughters of the several sires. Walter was another partner in Carnation Ambassador with Bar and Moomaw and had him during his last year of service.

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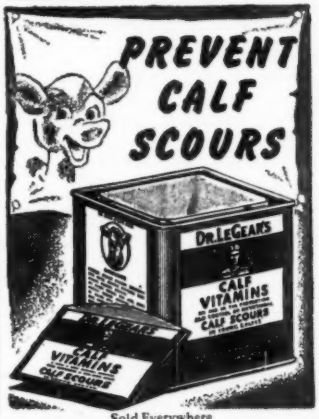

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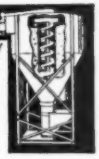

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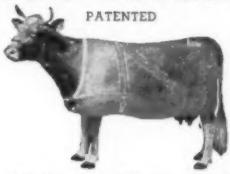

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so he has quite a group of Ambassador daughters left. He also has a nice group of straight topped young things by the Moomaw "Imperial" son. Another pleasing group are sired by the bull in service there now, Carnation Duke Ormsby, a son of Governor of Carnation from a daughter of Carnation Renown.

NETHERLANDS HONORS DR. RIDDELL

Dr. W. H. Riddell, Head of the Dairy and Animal Husbandry Department at the University of Vermont recently received a high honor from The Netherlands for his services to the country and the royal house in the rehabilitation of their agriculture after the war.

At ceremonies in New York City, October 1 the Order of Orange-Nassau with rank of Commander was bestowed upon Dr. Riddell on behalf of Queen Juliana of The Netherlands. The citation mentioned particularly his contribution to the reconstruction of the damaged fields, the recovery of The Netherlands, and to the development of international agricultural relations.

Dr. Riddell served as the first post-war American Agricultural Attache at the United States Embassy in The Hague, from 1945 to 1948. The Netherlands Minister of Agriculture and the Minister for Foreign Affairs nominated the UVM dairy head for the honor.

This honor to Dr. Riddell will be noted with pleasure by his many friends in the Holstein industry, not only throughout New England, but also in the Southwest where he was located before accepting the assignment in Holland.

PENNSYLVANIA ADOPTS VACCINATION PLAN

Announcement from the Pennsylvania Department of Agriculture, October 20 brings the information that Pennsylvania is setting up a program of free vaccination of calves in an all-out campaign for control and eradication of brucellosis. Officials hope to get the program started by the end of this year. Free vaccination, including both vaccine and veterinary services will cover all calves between the ages of six and eight months, and under special permit calves that are between eight and ten months of age at the time of vaccination. Free vaccine, but not the free services of veterinarians will be supplied by the state under special permit for other ages of cattle in order to solve special herd management problems.

The present Pennsylvania plan of testing and elimination of cattle known to have the disease will continue in conjunction with the added feature of free calfhood vaccination.

For diseased animals that must be slaughtered both federal and state indemnity payments will continue as at present, and indemnities also will be paid by both agencies on animals vaccinated within the six to eight months age limits should they show positive re-

action to Bang's disease 18 months or more after vaccination. It is estimated that up to 200,000 calves will be vaccinated free each year.

Potatos and Cows

By ALLEN N. CRISSEY

Reprinted from
The New England Homestead

Nestling in the very heart of Rhode Island's rock-bound scenic grandeur are 325 almost completely level acres known as Green Farm. It is the home of Benjamin H. Brow, his two children, Janice 15, and Robert H. 17 years of age respectively, and also of Mr. Brow's 74-year-old mother, Nellie (Mrs. George) Brow.

Mr. George Brow, who acquired the place in 1920, passed away at 74 years of age on December 13, 1948, and his daughter-in-law, Mrs. Benjamin Brow, died on February 24, 1949.

I am presenting Green Farm as a place you will enjoy visiting whenever your travels take you to Rhode Island. In fact my advice is that you do not miss it if interested in the latest methods and machinery used in potato growing, storaging and marketing, or in seeing a fancy herd of registered Holstein cattle, or if you simply enjoy the thrill of viewing a neat, well-kept, beautifully fenced farm with expansive flowing acres of highest quality pastures, and acres and acres of potatoes in gorgeous blossom. The farm lies just outside the town of Slocum. The buildings are in the center, giving you a comprehensive picture of the place as you proceed along the entrance for a quarter-mile between two rows of huge maples. Two modern houses with attractive shrubbery and lawns and several neatly painted barns and storages comprise the buildings. The cow barn will stable 75 head. The 22 head in milk were averaging 52.8 pounds of milk a day. The 1948 herd average is 11,500 pounds of milk and 420 pounds of butterfat, 2X.

A four-acre test plot produced 630 bushels of potatoes to the acre in 1941, while that year's 140 acres averaged over 400 bushels per acre. Year after year these fertile acres continue to produce. The 1948 crop totalled 21,000 barrels. Acreage for 1949, however, has been reduced to 105 acres of Green Mountains.

Mr. Brow acknowledges, however, that he enjoys some special advantages in the growing and harvesting of his potatoes. His land is free from stones so that in recent years he has been using a modern machine to pick up the potatoes. This saves a lot of time and expense as well as a great many backaches for a great many people.

During the past year Mr. Brow has been improving his registered dairy herd by the acquisition of breeding stock from the dispersals of the noted Whirlwind Hill and Amcana herds. Also he was a buyer at the Bred Heifer Classic which is annually New England's highest quality Holstein sale of the year. These cows have recently been placed on A. R. test. For example, I found the cow Margaret Posch Pabst milking 111 pounds a day on 3X milking at six years of age. Her last record exceeded 18,000 pounds on 2X milking. She was the highest producer at the moment. Wilsondale Colantha Belle was milking 92 pounds a day, 3X at five years. Shoreline Acme Helbon Creation was milking 75 pounds.

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A young bull soon to head the herd is **Whirlhill Illustrious.** He is a magnificent individual, a son of Pabst Signal and out of a 620-pound three year-old with 16,359 pounds of 3.8% milk, and the maternal granddam having produced 849 pounds of butterfat, 21,420 pounds of milk, 4%, 3X. Animals are being registered under the prefix, "Shoreline."

This brief article about what is being done at Green Farm would not be complete without the children of Mr. Brow who show such promise as future farmers.

Robert, 17, is a junior in North Kingston High School and owns two heifers. He has been a good caretaker and one of his heifers has won Grand Champion honors at Rhode Island State Fair and was Reserve Grand Champion in the 1948 Junior Division at Eastern States Exposition. Robert was on the Judging Team at the Exposition and won first judging Guernseys. For this, he received a beautiful model Guernsey cow. His most recent honor was his selection as treasurer of the Rhode Island State FFA Association. I expect continued good reports of this young man in the future.

Janice Brow is 15, a freshman in High School, and owns one heifer calf which placed fourth in the junior competition at Eastern States Exposition.

I asked Mr. Brow, who is not a talkative type of man, what he could say regarding his experience that might be helpful to others. His reply was, "Well, potatoes and cows go well together. I try to do about what the college and the county agent advocates and I always seem to come out all right."

In fact, Mr. Brow is a graduate of his own State College at Kingston. He is prominent as chairman of his Republican Town Committee and as a member of the Republican State Committee, and is past president of the Rhode Island Potato Growers Association. He is a member of the Holstein-Friesian Association of America and was recently elected a director of the New England States Holstein-Friesian Association.

We were sorry to learn at the All-Canadian Sale that Hermas La Joie, energetic Quebec Holstein fieldman, has been hospitalized with multiple fractures, the result of an automobile collision.

Butter will receive the big sales push in November by the American Dairy Association. Full color ads and tie-in ads by other products will appear during this period in many of the big national publications.

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m Lake Farm, Iroquois Co.; 100 DHIA; Vac.; 83.2 class. Gov. Dawn Arthur.

INDIANA

nbar & Middleton Farms, Colax; 80 head; HIR; Neg. Vac. 1941; Carn. Gov. Madcap

ner Prairie Farm, Noblesville, Hamilton Co.; 44 cows; I HIA; Acc. TB; Vac-Neg.; Pabst B'ke Belmont Burke.

ple Grove Farm, Glenn L. Teed, Brook, Newton Co.; 95 hd; DHIA; St. Cert- Calf Vac. Admiral-Burke.

w. A. Backe, Crown Point, Lake Co.; 30 hd; DHIA; Acc Vac.; Homestead, Orms., Carnation.

KANSAS

Jake Zarnowski, Newton, Harvey Co.; 70 head; Neg.; HIR; Triune and Burke breeding.

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St. Rose Farm, Springfield, Washington Co.; 75 head; Cert.; Vac.; U. S. Soldiers' Home sire.

Locust Heights Farms, Lexington, Fayette Co.; 1 head; DHIA; Vac-Neg; Dun. Stone Golden Cross Prince.

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Clayton Farms, New Marlborough, 60 hd.; DHIA; Bang's Neg. Acc; Redstone Woolmaster.

Lindenbrook Farms, Spencer H. Logan, Great Barrington, Berkshire Co.; 50 head.

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Heckathorn Farm, Three Oaks, Berrien Co.; 50 hd.; HIR, CTA; Vac.; Montvic-King Bessie.

Jonclar Dairy Farm, Riegle & Rayner, Davison, Gen. Co.; 70 hd.; DHIA; Vac.; Car. R. A. breeding.

Pine Row Farm, Lake Orion, Oakland Co.; 60 hd.; H.I.R.; Vac. Neg.; Carn. & Mont. breeding.

George and Ross Robb, Fowlerville, Livingston Co.; 40 head; HIR; Neg.; Rainbow Ormsby.

Van Hoosen Farm, Rochester, Oak Co.; 175 hd.; HIR; Vac.; Sires: Carn. Imp.; Gold Medal Bu. Sun.

MINNESOTA

Marlow Holstein Farms, Mankato; 200 hd.; HIR; Femco Alma, Burke, Lochinvar breeding.

Ted Kuhlman, Lester Prairie, McLeod Co.; 45 head; DHIA-HIR; Vac.; Stewart & Maytag.

MISSOURI

Clyde Hill Farm, Clyde, Nodaway Co.; 175 head; HIR; Neg.; S. B. O. Fobes breeding.

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Shumate Dairy, Helena, Lewis & Clark Co.; 90 hd.; HIR-DHIA; TB Acc-Vac.; Hallr. Orm. Rube.

David Lea & Sons, Stevensville, Ravalli Co.; 50 hd.; Class 82.2; Acc-Neg.; Orms. Raven, Creston.

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Bartram Farm, N. Kelley, Annandale; 100 head; HIR; Vac. 1941; A. O. Fobes Rag Apple, Design.

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A. Fisher & Sons, Canastota; 90 head; CTA; Vac.; Tovarich, Woodmaster, Gov. of Carnation.

Mrs. J. M. Huff & Sons, Hemlock; 70 hd.; Sr. sire Clove Valley Supreme Satisfaction (Gold Medal)

Leonard Kaplan, LaGrangeville, Dutchess Co.; 60 head; CTA-AR; Acc.-Vac.; Orms-Lochinvar.

M. R. Klock Son, Ft. Plain; 70 head; CTA, Blood tested, Vac.; Carnation breeding.

A. S. & L. W. Hill, Greene, Chenango Co.; 85 hd.; DHIA; Acc.-App.; Mont. Rag Ap. breeding.

Ferdinand Lewandrowski, Newport, Herkimer Co.; 100 hd; Ac. Vac.; CTA; Mont. R. A., Hist.

Lotterest Farms, Sherburne, Chenango Co.; 40 hd; DHIA; TB Acc-Vac.; Eller Farm Marksman Montvic.

Ray Saltsman & Son, Cortland, Cortland Co.; 85 head; Neg.; AR-CTA, Ormsby.

E. P. Smith, Sherburne, Chenango Co.; 250 hd; DHIA; TB Acc.; Vac.; Posch, Fobes, Osborndale.

W. H. Worden & Son, Windsor, Broome Co.; 100 head; CTA; Vac. 1940; Ormsby-Bessie line.

Frank J. & Lena Niles, Smyrna, Chenango Co.; 200 hd.; DHIA; Acc-Vac; Mont. Loch., Dun. Des.

OHIO

KenMac Holsteins, K. P. McDannel, E. Canton; 35 hd.; HIR; Acc-Vac.; Mila Fobes of Rock.

Donald Phillips, Damascus, Columbiana Co.; 45 hd.; HIR; Acc; TB and Bang's; Dunloggin.

Pine Crest Farm, Howard Moslman, Morrow, Warren Co.; 30 hd.; HIR; Vac-Neg.; Dunloggin Designer breeding.

Glenn Shreve, Damascus, Mahoning Co.; 40 hd.; HIR-AR; TB-Bang's Acc.; Dunloggin.

C. T. Shreve, Damascus, Mahoning Co.; 75 hd.; HIR-AR; TB and Bang's Acc.; Dunloggin.

M. J. B. Miller, Sugar Creek, R-1, Box 215-A, Holmes Co.; DHIA; Acc.; Carnation.

OKLAHOMA

Adams Acres, Broken Arrow, Tulsa Co.; 100 hd.; Vac-HIR; Ormsby-Crescent Beauty Admirals.

Edward P. Boyd, R-4, Oklahoma City; 49 head; CTA-AR; Vac.; Ormsby, Carnation, Montvic.

Floyd E. Pruden, Altus, Jackson Co.; 45 head; CTA-AR; TB and Bang's; Lauxmont-Ideal-Dun.

Eastern Okla. Hosp. Dairy, Vinita, Craig Co.; 190 hd; CTA; Vac. Ormsby, Triune, Carn.

OREGON

Sun Acres Farm, J. W. Adamson, Troutdale; 30 hd.; HIR-DHIA; Vac.-Neg.; Wint. Fobes Usora Cedric.

PENNSYLVANIA

Willow Ridge Farm, Willow Grove, Montgomery; 125 hd; HIR; Pa. Bang's; TB; Dunloggin, Mont.

Hazelee Farms; H. J. Lawrence, Halstead, Susqu. Co.; 80 head; CTA; Cert.; Orms. Winterthur.

Paul G. Longnecker, Strasburg, Lancaster Co.; 60 head; HIR; Acc-Cert-Vac.; Bond Haven Sov. Masterpiece.

SOUTH CAROLINA

S. C. State Hospital, Columbia; 500 head; AR-CTA-Acc (Acc'd.) Ormsby & Carnation breeding.

TEXAS

Carrington Farms, Box 1175, Austin; 30 hd.; HIR; Acc.; Carnation-Burke breeding.

Mandell's Dairy, Canutillo; 60 hd; CTA; Carnation breeding.

McWherter Farms, Paris; 30 hd.; HIR-CTA; Classified; Carnation, Rag Apple breeding.

UTAH

Brigham Young Univ. Dairy Farm, Provo; 30 hd; HIR; Carn. Gov. Madcap & Hazelwood breeding.

VERMONT

Elmwood Farms, Carroll H. Landon; New Haven; 200 head; CTA; Cert.-Vac., 1937; "45th".

A. B. & W. A. Weeks, Clarendon; 40 hd.; Progressive Breeders Registry; Skyway breeding.

S. Allen Soule, Fairfield; 60 head; calf-vac. & Acc.; DHIA; Montvic-Raymondale-Tyler Farms.

Venture Farm, G. L. Lewis, Jr., Norwich; 35 hd.; HIR-AR; Cert. Acc-Vac.; Dunloggin, Rag Ap.

John A. Howe, Tunbridge; 35 head; HIR; Acc-Vac. Cert.; Rag Apple-Ormsby.

VIRGINIA

W. S. Barksdale, Randolph, Charlotte Co.; 200 head; DHIA; Cert.; Vac.; Or. R. A. breeding.

WASHINGTON

Ernest E. Nolte, Everson, 60; HIR; 2X; Vac.; Neg. Bang's TB; Colony Vale Sir Hello 53rd.

Vernway Farms, I. W. Youngquist, Bow; 60 hd.; HIR; Hazelwood-Homestead breeding.

WISCONSIN

Chas. & Donald Brnee, Lone Rock, Richland; 70 hd.; DHIA; HIR; Vac.; Dun.; Orms. Var Kg.; Or.

Carm Farms, Inc., Sheboygan Falls; 90 head; HIR; Cert.-Vac.; Ormsby Sensation 45th.

A. F. Gallun, Hartland, Waukesha Co.; 60 head; CTA; Cert-Vac.; Burke and Roamer.

Frank T. Druggis, Hales Corners, Milwaukee; 19; Hir-DHIA; TB; Calf Vac.; Pabst-Correction.

Albert Grover & Son, Galesville, Tempealeau; 35; HIR; Cert-Vac Acc.; Loch., Marksman, 20 Gr.

John Kieffer, Auburndale, Wood Co., 60 hd.; Vac.; CTA; Admiral-Rag Apple breeding.

George Keiffer Auburndale Wood Co.; 100 head; CTA; Admiral Ormsby Fobes.

I. H. Lichtenwalner, Barron; 24 head; HIR; Cert.-Vac; Admiral Orms. Fobes, Pride of Sir Pieta.

Douglas Co. Asylum, Superior, 150 head; AR-CTA; Neg.; Pabst-St. Croix breeding.

Earl A. Hammon, Ripon, Fond du Lac Co. 25 head; DHIA; Cert and Neg.; Beechwood, Ormsby, Fobes.

Ahlers Farm, Hy 57, Grafton, Ozaukee Co.; 45 head; Vac.; Good Ormsbys.

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Smiles—

HE RODE IT!

A gentleman who had just returned from a trip through the South was being questioned about the country by a young lady. One of her questions was, "And what sort of plant is the Virginia Creeper?"

"That's not a plant, my dear," was the response. "It's a railroad."

NOT GUILTY

The automotive electrician was coming down the street in a barrel.

"What's the idea," growled a cop. "Are you a poker player?"

"No," replied the repairman, "but I just spent the evening with some guys who are."

LIKE FATHER, LIKE . . .

Father: "When Truman was your age, son, he was at the head of his class."

Son: "Yeah, and when he was your age, he was President of the United States."

WISE LAD

Golfer (far off in the rough): "Say, caddy, why do you keep looking at your watch?"

Caddy: "It isn't a watch, sir; it's a compass."

THE OLD KAYO

While his playboy aspirations burned, the fleet superintendent found that his pockets weren't exactly bulging with money. Something, he decided, would have to be done about that. He'd have to get a raise, that was all there was to it.

Three letters to the home office suggesting that they look with more financial favor on their Southern representative brought no reply. Finally, in desperation, the freight man sent this telegram: "If no raise is granted within two weeks, count me out."

Back came the answer: "One two three four five six seven eight nine ten.

LETTER TO THE EDITOR

Reader: "Do you make up these jokes yourself?"

Editor: "Yep, out of my head."

Reader: "You must be."

TRUE TO HER WORD

"If you kiss me, I'll call a member of my family," she warned.

So he kissed her.

"Bro-ther!" she whispered.

TIMES ARE TOUGH

Hustler: "I don't know what Bill does with his money. He was short yesterday and he's short again today."

Rustler: "Is he trying to borrow from you?"

Hustler: "No, hang it! I'm trying to borrow from him."

Record No. 1468

The New National Champion Junior 2-Year-Old on 2x

WINTERTHUR WINNER VICTOR BORIA 2757084 (GP)
2X 2-1-5 365 18821 4.0% 749.0

Last month, another outstanding Winterthur producer, Winterthur Winner Victor Boria, broke the National junior 2-yr.-old record with a production of 749.0 lbs. fat from 18821 lbs. of 4.0% milk.

The sire of "Boria" is Winterthur Select Dad Winner, a son of the U. S. 2X champion lifetime producer, Winterthur Dad Donsegis Inka Jasa; the first of the only two cows in the U. S. to make four consecutive 2X records above 850 lbs. fat, and the only cow to make eight 2X records above 700 lbs. fat.

The dam of "Boria" is a 467.6-lb. 2X daughter of Winterthur Fobes Posch Victor, a son of the U. S. 2X A R champion, Winterthur Posch Donsegis Nobsgrl (1079.1 lbs.), the only cow in the world to make five consecutive 2X records above 850 lbs. fat.

Records of production like this one do not just happen, they are the culmination of a long period of constructive breeding.

For the past 18 years, all testing at Winterthur has been 2X milking with 2X feeding. During this time, 34 cows, all bred and born at Winterthur, have made the following records:

2 from 1004 to 1079 lbs.
12 from 903 to 989 lbs.
37 from 800 to 893 lbs.

PRODUCTION PAYS THE BILLS

Winterthur Farms

Winterthur, Delaware

Accredited 25 Years | 18th Year on 2X Milking | Negative 22 Years

HERE'S RAG APPLE BLOOD FOR YOU—

A BULL THAT GETS 37½% OF HIS BLOOD FROM MONTVIC

PATHFINDER AND MONTVIC RAG APPLE AJAX

MONTVIC RAG APPLE AJAX

Born November 13, 1948

He is light in color, a very nice individual that we are proud to offer and that you will be proud to use as your herd sire.

His sire — BOOTHDALE RAG APPLE HERCULES

"Hercules" was the Boothdale Herd Sire, son of Montvic Rag Apple Ajax, who is by Montvic Lochinvar from a former World Champion dam that has 1153 lbs. fat, 4y, 3X, 4.75%.

"Hercules" is from a 550-lb. 4-year-old, 2X, 3.73% daughter of Montvic Supreme and his second maternal dam has 671 lbs. fat, 2½y, 2X, 2.9%.

"Hercules" carries eleven crosses to Johanna Rag Apple Pabst, and both his grandsires, Montvic Lochinvar and Montvic Supreme are from the beautiful Reserve All-American, Montvic Champion Abbekerk, that made 905 lbs. fat, 3X, 4.19%.

MONTVIC PATHFINDER

His dam — BOOTHDALE BARONESS FAYE

Her records:

AR	365d	5y	3X	19,765 Milk	3.8%	742.0 Fat
ROM	364d	2y	2X	13,983 Milk	3.7%	520.0 Fat

"Faye" is a beautiful cow that is easily capable of 800 lbs. fat at her next calving.

"Faye's" sire is a son of Montvic Pathfinder from a 615-lb. 2X, 4.25% daughter of Montvic Baron Segis.

"Faye's dam is Tidy Fayne De Kol "VG" with 509 lbs. fat, 8 years, 2X, and a noted brood cow having another daughter at Butterfly in addition to "Faye", named Nettie Fayne Echo that has 599 lbs. fat, 4y, 2X, 3.96% after a 2-year-old record of 527 lbs. fat, 2X, 4.2%.

★ ★ ★

Here is your opportunity to head your herd with a carefully bred bull of the best Rag Apple lines he carries fourteen Johanna Rag Apple Pabst crosses.

Send for pedigree and the suprisingly low price—YOU can afford to own him.

BUTTERFLY FARMS

Mexico, N. Y.

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